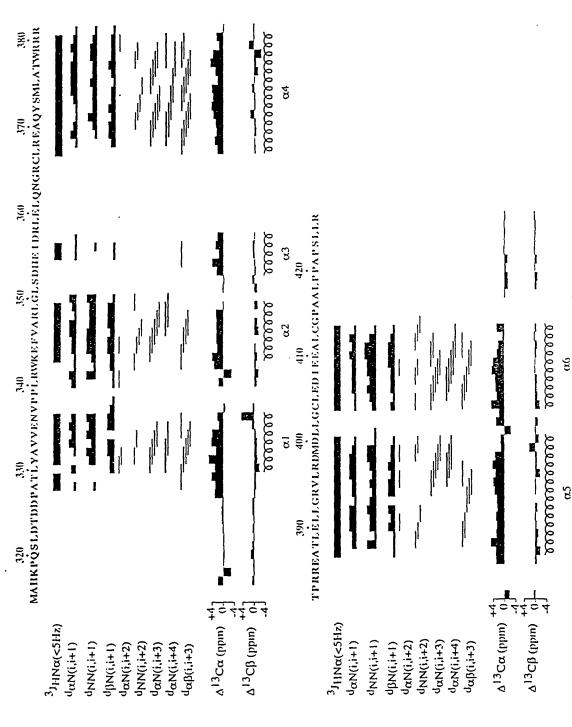
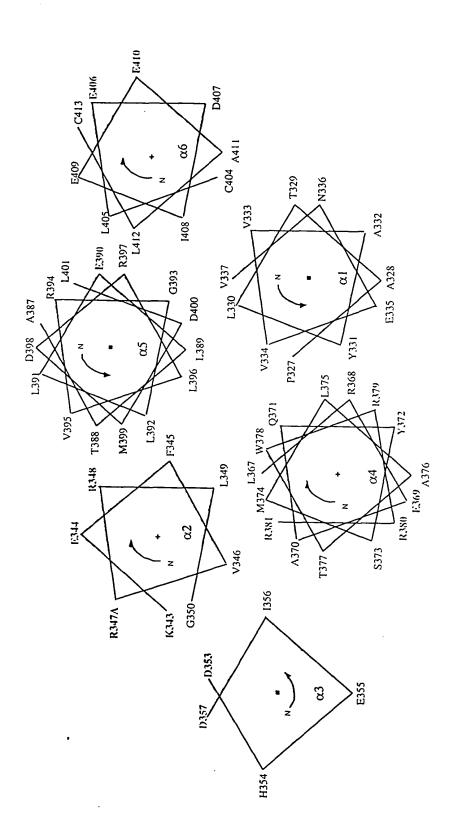
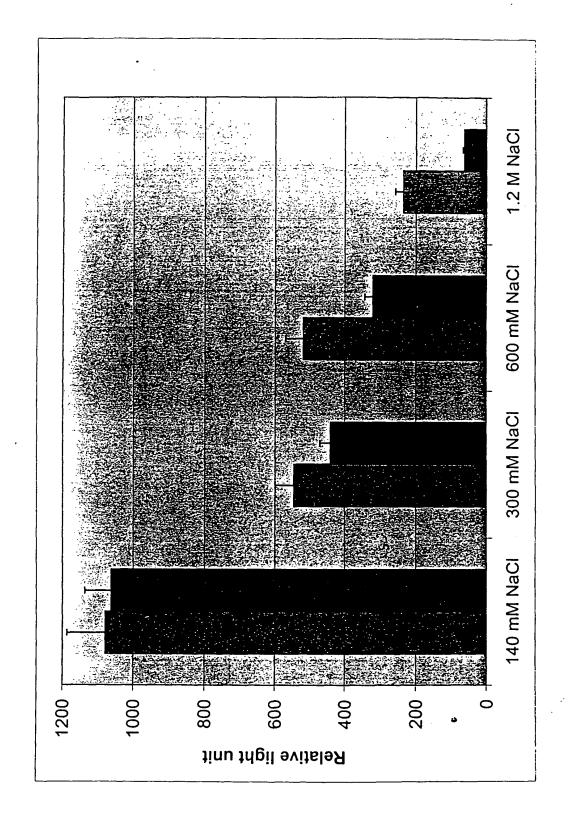
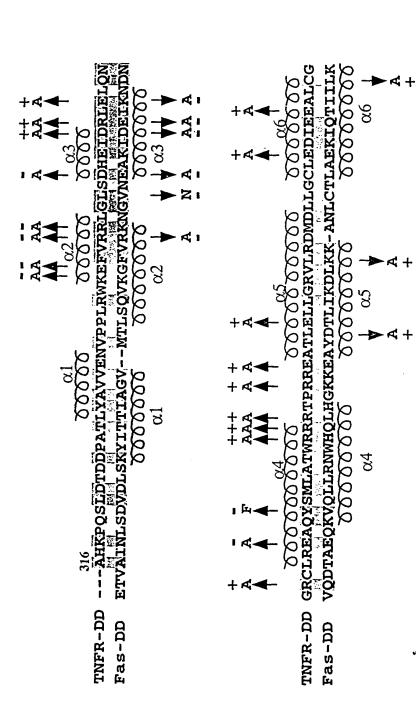


Figure 1

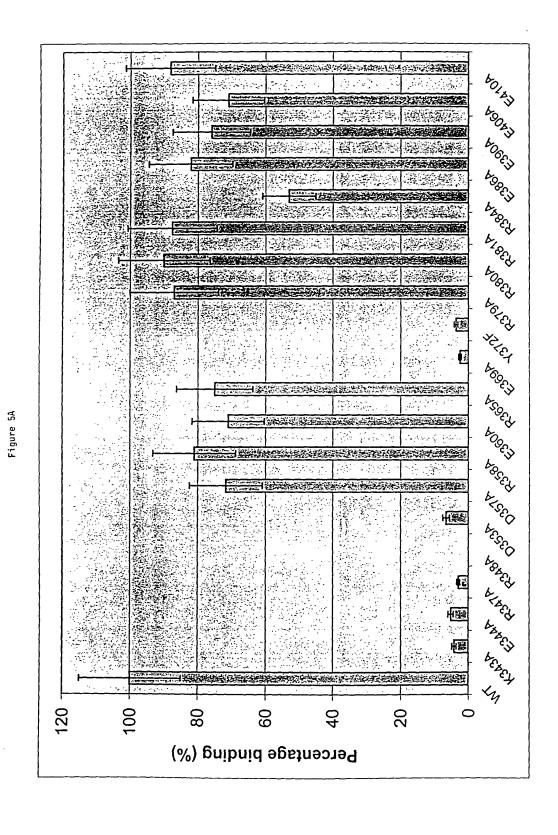


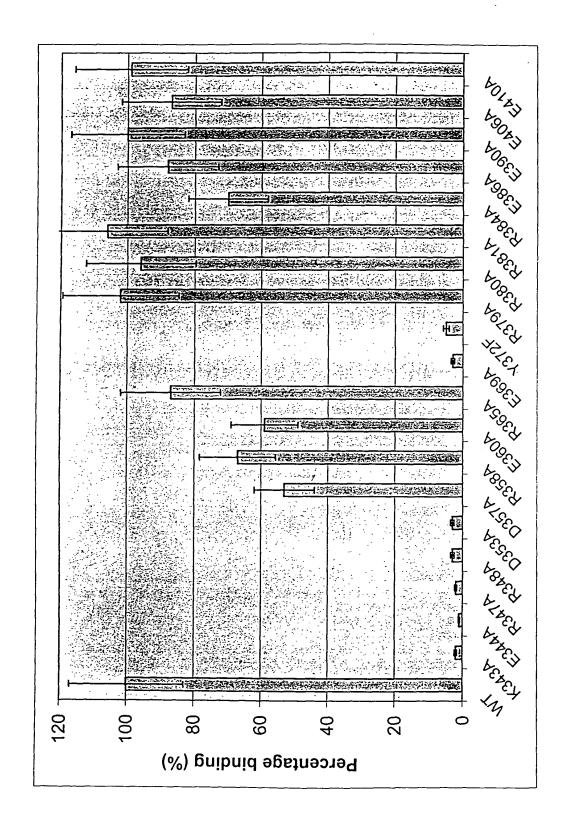




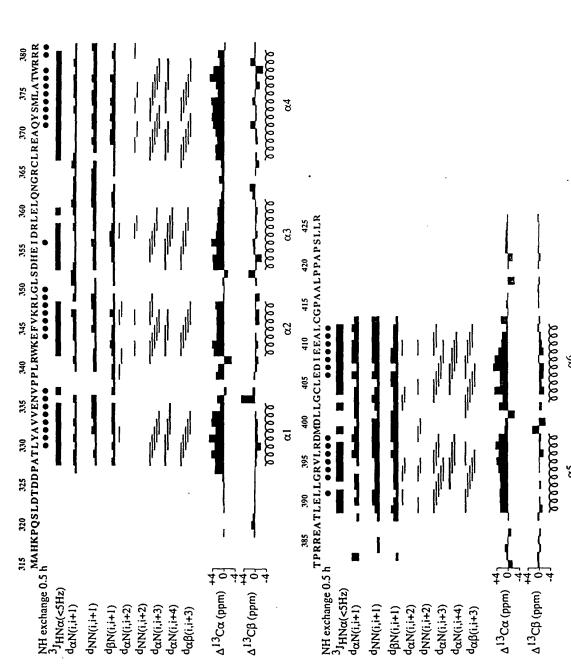


TNFR-DD PAALPPAPSLLR Fas-DD DITSDSENSNFR O





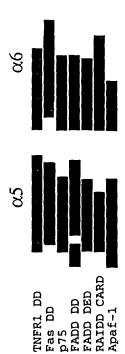




TNFR-DD R347K of Structure Indicators Secondary Summary of



-----MDPFLVLLHSVSSSLSSSELTELKFLCLGRVGKRKLERV-----QSGLDLFSMLLEQNDLEPG ----MEARDKQVLRSLRLELGAEVLVEGLVLQYLYQEGILTENHIQEINAQTTGLRKTMLLLDILPSRGPK ----MDAKARNCLLQHREALEKDIK-TSYIMDHMISDGFLTISEEEKVRNEPTQQQRAAMLIKMILKKDND MAHKPQSL-DTDDPATLYAVVEN-VPPLRWKE-FVKRLGLSDHEIDRLELQNGRCLREAQYSMLATWRRTP METVAINLSDVDLSK--YITTIAGVMTLSQVKGFVRKNGVNEAKIDEIKNDNVQDTAEQKVQLLRNWHQLHG ----GNLYSSLPLT--KREEVEKLLNGDTWRHLAGELGYQPEHIDSFTHEAC-----PVRALLASWGAQDS ---GSHMAAPPGEAYLQVAFDIVCDNVGRDWKRLARELKVSEAKMDGIEEKYPRSLSERVRESLKVWKNAEK RAIDD CARD TNFR1 DD FADD DED FADD DD Fas DD p75 Apaf-1



TNFR1 DD RREATLELLGRVLRDMDLLGCLEDIEEALCGPAALPPAPSLLR Fas DD KKEAYDTLIKDLKK-ANLCTLAEKIQTIILKDITSDSENSNFRNEIQSLVLE

Fas DD KKEAYDTLIKDLKK-ANLCTLAEKIQTIILKDI: p75 ATLDALLAALRRIQR---ADIVESLCSE FADD DD KNASVAGLVKALRTCRLNLVADLVEEAQES

FADD DED HTELLRELLASL---RRHOLLRRVDDFELE
RAIDD CARD --AFDTFLDS--LQEF-PWVREKLKKAREEAMTDLPAG

Apaf-1 SYVSFYNALLHEGY----KDLAALLHDGIPVVSSS

					-				
		Atom	Onsidua	Res.	x	Y	. Z		
MOTA	1	Type N	Residue PRO	<u>No.</u> 327	2.816	0.502	11.316	1.00	0.61
MOTA	2	CA	PRO	327	2.189	1.819	11.030	1.00	0.60
MOTA	3	HA	PRO	327	1.287	1.695	10.452	1.00	0.62
MOTA	4	CB	PRO	327	1.855	2.377	12.410	1.00	0.69
ATOM	5		PRO	327	0.841	2.129	12.681	1.00	0.75
MOTA	6 7	HB2		327 327	2.000 2.811	3.449 1.705	12.426 13.337	1.00	0.68 0.71
MOTA MOTA	8	CG HG1	PRO PRO	327	2.360	1.585	14.310	1.00	0.79
MOTA	ğ		PRO	327	3.718	2.289	13.417	1.00	0.69
MOTA	10	CD	PRO	327	3.114	0.354	12.749	1.00	0.68
ATOM	11		PRO	327	4.156	0.104	12.897	1.00	0.67
ATOM	12		PRO	327	2.477	-0.400	13.184 10.300	1.00 1.00	0.74 0.51
MOTA	13 14	C	PRO PRO	327 327	3.178 2.851	2.733 3.350	9.306	1.00	0.47
MOTA MOTA	15	И	ALA	328	4.385	2.823	10.787	1.00	0.51
MOTA	16	HN	ALA	328	4.629	2.318	11.591	1.00	0.55
ATOM	17	CA	ALA	328	5.393	3.697	10.123	1.00	0.46
MOTA	18	HA	ALA	328	5.006	4.703	10.052	1.00	0.47 0.51
MOTA	19 20	CB	ALA ALA	328 328	6.684 6.619	3.703 4.461	10.944 11.711	1.00 1.00	1.19
MOTA MOTA	21		ALA	328	7.521	3.917	10.297	1.00	1.04
MOTA	22	нвз		328	6.823	2.736	11.404	1.00	1.17
ATOM	23	С	ALA	328	5.685	3.165	8.720	1.00	0.39
MOTA	24	0	ALA	328	5.930	3.920	7.799	1.00	0.36
MOTA	25	N	THR	329	5.660 5.459	1.872 1.278	8.545 9.298	1.00 1.00	0.37 0.40
MOTA MOTA	26 27	HN CA	THR THR	329 329	5.935	1.303	7.196	1.00	0.34
MOTA	28	HA	THR	329	6.871	1.692	6.823	1.00	0.34
ATOM	29	CB	THR	329	6.012	-0.222	7.279	1.00	0.37
MOTA	30	HB	THR	329	5.045	-0.618	7.549	1.00	0.40
MOTA	31		THR	329	6.971	-0.601 -0.012	8.256 9.009	1.00	0.39 0.80
MOTA MOTA	32 33	HG1 CG2	THR THR	329 329	6.878 6.419	-0.779	5.915	1.00	0.38
MOTA	34	HG21	THR	329	6.796	0.023	5.297	1.00	1.08
ATOM	35	HG22	THR	329	5.559	-1.226	5.438	1.00	1.05
MOTA	36	HG23	THR	329	7.188	-1.525	6.044	1.00	1.09
MOTA	37	C.	THR	329	4.804	1.694	6.247	1.00	0.32 0.30
MOTA MOTA	38 39	Ŋ	THR LEU	329 330	4.984 3.638	1.773 1.938	5.048 6.776	1.00	0.35
MOTA	40	HN	LEU	330	3.515	1.868	7.745	1.00	0.39
MOTA	41	CA	LEU	330	2.495	2.322	5.905	1.00	0.36
MOTA	42	HA	LEU	330	2.474	1.678	5.038	1.00	0.36
MOTA	43	CB	LEU	330	1.175	2.181	6.678 5.977	1.00	0.43 0.71
ATOM ATOM	44 45		Leu Leu	330 330	0.356 1.038	2.118 3.047	7.309	1.00	0.48
ATOM	46	CG	LEU	330	1.193	0.915	7.550	1.00	0.70
MOTA	47	HG	LEU	330	1.892	1.049	8.362	1.00	1.17
MOTA	48		LEU	330	-0.204	0.675	8.123	1.00	1.17
ATOM	49	HD11		330	-0.847 -0.142	1.504 0.591	7.863 9.198	1.00	1.71 1.79
ATOM ATOM	50 51	HD12 HD13	LEU	330 330	-0.142	-0.238	7.713	1.00	1.63
ATOM	52	CD2	LEU	330	1.609	-0.300	6.710	1.00	1.69
ATOM	53	HD21		330	1.114	-0.263	5.752	1.00	2.25
MOTA	54	HD22		330	1.327	-1.206	7.226	1.00	2.18
MOTA	55		LEU	330	2.679 2.677	-0.287 3.771	6.563 5.454	1.00	2.16 0.33
ATOM ATOM	56 57	C	Leu Leu	330 330	2.472	4.104	4.305	1.00	0.30
ATOM	58		TYR	331	3.074	4.636	6.348	1.00	0.35
MOTA	59	HN	TYR	331	3.244	4.347	7.270	1.00	0.38
MOTA	60	CA	TYR	331	3.281	6.059	5.962	1.00	0.36
ATOM	61	HA	TYR	331	2.368	6.457	5.544	1.00	0.37
ATOM	62 63	CB	TYR	331	3.681 3.987	6.872 7.861	7.195 6.889	1.00	0.42
MOTA MOTA	63 64		TYR TYR	331 331	4.500	6.381	7.699	1.00	0.42
MOTA	65	CG	TYR	331	2.504	6.979	8.134	1.00	0.48
MOTA	66	CD1	TYR	331	1.305	7.551	7.692	1.00	1.26
MOTA	67		TYR	331	1.221	7.915	6.679	1.00	2.13
MOTA	68		TYR	331	2.612	6.507	9.448	1.00	1.36
MOTA MOTA	69 70		TYR TYR	331 331	3.538 0.214	6.066 7.650	9.789 8.564	1.00	2.24 1.30
ATOM	70		TYR	331	-0.711	8.091	8.223	1.00	2.18
ATOM	72		TYR	331	1.521	6.607	10.320	1.00	1.38
MOTA	73	HE2	TYR	331	1.605	6.243	11.333	1.00	2.26
ATOM	74	CZ	TYR	331	0.322	7.178	9.878	1.00	0.63
ATOM	75	OH	TYR	331	-0.753 -0.454	7.276	10.737	1.00 1.00	0.71 1.10
MOTA	76 77	НH С	TYR TYR	331 331	-0.454 4.396	7.713 6.132	11.538 4.920	1.00	0.32
44	• • •	-	* * * * *		4.370				

MOTA	78 O TYR	331	4.401	6.986	4.055	1.00	0.33
ATOM	79 N ALA	332	5.340	5.235	4.995	1.00	0.31
ATOM	80 HN ALA	332	5.312	4.555	5.700	1.00	0.33
MOTA	81 CA ALA	332	6.456	5.241	4.011	1.00	0.31
MOTA	82 HA ALA	332	6.880	6.232	3.950	1.00	0.35
MOTA	83 CB ALA	332	7.532	4.247	4.454	1.00	0.35
MOTA	84 HB1 ALA	332	7.081	3.281	4.628	1.00	1.08
MOTA	85 HB2 ALA	332	7.996	4.597	5.363	1.00	0.98
MOTA	86 HB3 ALA	332	8.279	4.160	3.680	1.00	1.12
ATOM	87 C ALA	332	5.922	4.826	2.642	1.00	0.28
MOTA	88 O ALA	332	6.274	5.395	1.629	1.00	0.31
MOTA	89 N VAL	333	5.077	3.832	2.604	1.00	0.26
ATOM	90 HN VAL	333	4.809	3.385	3.434	1.00	0.27
MOTA	91 CA VAL	333	4.525	3.374	1.300	1.00	0.26
MOTA	92 HA VAL	333	5.335	3.242	0.597	1.00	0.29
MOTA	93 CB VAL	333	3.803	2.040	1.496	1.00	0.28
MOTA	94 HB VAL	333	3.015	2.161	2.225	1.00	0.27
MOTA	95 CG1 VAL	333	3.202	1.576	0.167	1.00	0.30
MOTA	96 HG11 VAL	333	2.209	1.186	0.338	1.00	1.07
MOTA	97 HG12 VAL	333	3.823	0.802	-0.258	1.00	1.01
MOTA	98 HG13 VAL	333	3.148	2.409	-0.517	1.00	1.09
MOTA	99 CG2 VAL	333	4.803	0.993	1.992	1.00	0.33
MOTA	100 HG21 VAL	333	5.237	0.480	1.146	1.00	1.10
MOTA	101 HG22 VAL	333	4.295	0.279	2.623	1.00	1.02
ATOM	102 HG23 VAL	333	5.584	1.481	2.556	1.00	1.07
ATOM	103 C VAL	333	3.547	4.419	0.756	1.00	0.24
MOTA	104 O VAL	333	3.562	4.741	-0.416	1.00	0.27
ATOM	105 N VAL	334	2.696	4.953	1.590	1.00	0.22
MOTA	106 HN VAL	334	2.694	4.685	2.532	1.00	0.22
MOTA	107 CA VAL	334	1.726	5.973	1.098	1.00	0.25
ATOM	108 HA VAL	334	1.127	5.544	0.310	1.00	0.29
MOTA	109 CB VAL	334	0.812	6.420	2.244	1.00	0.29
MOTA	110 HB VAL	334	1.410	6.823	3.048	1.00	0.30
MOTA MOTA	111 CG1 VAL	334	-0.151	7.491	1.735	1.00	0.40
MOTA	112 HG11 VAL 113 HG12 VAL	334 334	-0.343	7.329	0.685	1.00	1.10
ATOM		334	0.289	8.467	1.876	1.00	1.09
ATOM	114 HG13 VAL 115 CG2 VAL		-1.079	7.430	2.284	1.00	1.01
ATOM	115 CG2 VAL 116 HG21 VAL	334	-0.001	5.228	2.752	1.00	0.36
ATOM	117 HG22 VAL	334 334	-0.571	4.808	1.936	1.00	1.12
ATOM	118 HG23 VAL	334	-0.675	5.559	3.529	1.00	1.08
ATOM	110 RG25 VAL	334	0.666 2.491	4.480	3.149	1.00	0.97
ATOM	120 O VAL	334	2.491	7.182 7.874	0.550	1.00	0.27
ATOM	121 N GLU	335	3.661	7.443	-0.332 1.067	1.00 1.00	0.32 0.31
MOTA	122 HN GLU	335	4.021	6.874	1.779	1.00	0.35
ATOM	123 CA GLU	335	4.450	8.608	0.573	1.00	0.38
ATOM	124 HA GLU	335	3.776	9.380	0.231	1.00	0.40
MOTA	125 CB GLU	335	5.316	9.155	1.710	1.00	0.41
ATOM	126 HB1 GLU	335	6.358	9.090	1.433	1.00	0.99
ATOM	127 HB2 GLU	335	5.144	8.574	2.604	1.00	1.01
ATOM	128 CG GLU	335	4.951	10.617	1.971	1.00	1.26
MOTA	129 HG1 GLU	335	3.896	10.691	2.188	1.00	1.99
MOTA	130 HG2 GLU	335	5.181	11.207	1.095	1.00	1.84
MOTA	131 CD GLU	335	5.752	11.139	3.165	1.00	1.56
MOTA	132 OE1 GLU	335	5.139	11.659	4.082	1.00	2.26
MOTA	133 OE2 GLU	335	6.965	11.009	3.141	1.00	1.81
MOTA	134 C GLU	335	5.350	8.168	-0.584	1.00	0.41
ATOM	135 O GLU	335	5.396	8.797	-1.623	1.00	0.48
MOTA	136 N ASN	336	6.069	7.093	-0.411	1.00	0.41
ATOM	137 HN ASN	336	6.019	6.603	0.436	1.00	0.39
MOTA	138 CA ASN	336	6.970	6.612	-1.497	1.00	0.47
MOTA	139 HA ASN	336	7.711	7.366	-1.712	1.00	0.53
MOTA	140 CB ASN	336	7.665	5.327	-1.046	1.00	0.50
MOTA	141 HB1 ASN	336	7.812	4.680	-1.897	1.00	0.68
ATOM	142 HB2 ASN	336	7.052	4.824	-0.314	1.00	0.81
MOTA	143 CG ASN	336	9.021	5.670	-0.429	1.00	0.81
MOTA	144 OD1 ASN	336	10.034	5.130	-0.825	1.00	1.73
MOTA MOTA	145 ND2 ASN	336	9.084	6.551	0.531	1.00	1.22
	146 HD21 ASN	336	8.266	6.986	0.851	1.00	1.80
ATOM ATOM	147 HD22 ASN	336	9.949	6.777	0.933	1.00	1.52
ATOM	148 C ASN	336	6.156	6.334	-2.758	1.00	0.45
MOTA	149 O ASN 150 N VAL	336	6.262	7.036	-3.744	1.00	0.53
ATOM		337	5.347	5.312	-2.739	1.00	0.36
ATOM	151 HN VAL 152 CA VAL	337	5.277	4.755	-1.936	1.00	0.32
ATOM	152 CA VAL	337 337	4.534 5.192	4.992	-3.943	1.00	0.36
ATOM	154 CB VAL	337		4.703	-4.748	1.00	0.41
	TO CO VAL	331	3.585	3.838	-3.623	1.00	0.32

ATOM 155 HB VAL 337								
ATOM 157 HG11 VAL 337 2.519 4.368 -5.408 1.00 1.05	MOTA	155 HB VAL	337	2.904	4.137	-2.841	1.00	0.33
ATOM 159 HG12 VAL 337	ATOM	156 CG1 VAL	337	2.791	3.468	-4.877	1.00	0.36
ATOM 158 HGI2 VAL 337				2.519	4.368	-5.408	1.00	1.01
ATOM 160 CG2 VAL 337 3.398 2.843 -5.515 1.00 0.36								
ATOM 160 CCZ VAL 337								
ATOM 161 HG2I VAL 337								
ATOM 162 HG22 VAL 337								
ATOM								
ATOM 164 C VAL 337 3.721 6.228 -4.353 1.00 0.43 ATOM 165 N PRO 338 3.726 6.524 -5.631 1.00 0.44 ATOM 166 N PRO 338 3.726 6.524 -5.631 1.00 0.65 ATOM 168 HA PRO 338 3.726 6.524 -5.631 1.00 0.65 ATOM 169 CB PRO 338 3.272 8.592 -5.611 1.00 0.65 ATOM 169 CB PRO 338 3.272 8.592 -5.611 1.00 0.78 ATOM 170 HB1 PRO 338 4.218 8.477 -7.717 1.00 0.78 ATOM 170 HB1 PRO 338 4.218 8.477 -7.717 1.00 0.78 ATOM 171 HB2 PRO 338 2.556 8.101 -8.214 1.00 0.77 ATOM 172 CG PRO 338 3.833 6.408 -7.962 1.00 0.64 ATOM 173 HG1 PRO 338 4.570 6.440 -8.740 1.00 0.71 ATOM 174 HG2 PRO 338 4.570 6.440 -8.740 1.00 0.71 ATOM 175 CD PRO 338 4.570 6.440 -8.740 1.00 0.73 ATOM 175 CD PRO 338 4.219 5.828 -8.287 1.00 0.63 ATOM 176 HD2 PRO 338 4.209 4.749 -6.666 1.00 0.48 ATOM 176 HD2 PRO 338 5.476 5.997 -6.666 1.00 0.48 ATOM 179 0 PRO 338 1.460 7.465 -6.006 1.00 0.63 ATOM 178 C PRO 338 1.460 7.465 -6.006 1.00 0.63 ATOM 180 N PRO 339 0.758 8.476 -5.549 1.00 0.70 ATOM 181 C APRO 339 -0.752 8.361 -5.375 1.00 0.70 ATOM 182 HA PRO 339 -0.758 8.476 -5.549 1.00 0.70 ATOM 182 HA PRO 339 -0.758 8.476 -5.549 1.00 0.72 ATOM 183 HB2 PRO 339 -0.765 7.452 -4.855 1.00 0.72 ATOM 184 HB1 PRO 339 -0.766 9.558 -4.514 1.00 0.87 ATOM 185 HB2 PRO 339 -0.765 7.452 -4.855 1.00 0.72 ATOM 186 CG PRO 339 -1.066 9.558 -4.514 1.00 0.87 ATOM 186 HB2 PRO 339 -1.066 9.558 -4.574 1.00 0.87 ATOM 187 HG1 PRO 339 -1.005 9.296 -3.470 1.00 0.77 ATOM 186 HG2 PRO 339 -1.066 9.558 -4.514 1.00 0.87 ATOM 187 HG1 PRO 339 -1.005 9.296 -3.470 1.00 0.70 ATOM 187 HG1 PRO 339 -1.005 9.296 -3.470 1.00 0.87 ATOM 188 HG2 PRO 339 -1.066 9.558 -4.514 1.00 0.87 ATOM 187 HG1 PRO 339 -1.005 9.296 -3.470 1.00 0.70 ATOM 187 HG1 PRO 339 -1.005 9.296 -3.470 1.00 0.70 ATOM 187 HG1 PRO 339 -1.005 9.296 -3.470 1.00 0.87 ATOM 189 HG2 PRO 339 -1.005 9.296 -3.470 1.00 0.70 ATOM 180 HG2 PRO 339 -1.005 9.296 -3.470 1.00 0.87 ATOM 180 HG2 PRO 339 -1.006 9.558 -4.77 1.00 0.87 ATOM 180 HG2 PRO 339 -1.006 9.558 -4.77 1.00 0.87 ATOM 180 HG2 PRO 339 -1.006 9.558 9.803 -1.000 9.90 ATOM 180 HG2 PRO 339 9.202 9.304 9.304 9.304 9.3	MOTA	162 HG22 VAL	337					
ATOM 165 O VAL 337 3.120 6.872 -3.517 1.00 0.44 ATOM 166 N PRO 338 3.726 6.524 -5.631 1.00 0.51 ATOM 167 CA PRO 338 3.726 6.524 -5.631 1.00 0.52 ATOM 168 HAP PRO 338 3.272 8.592 -5.611 1.00 0.62 ATOM 169 CB PRO 338 3.272 8.592 -7.603 1.00 0.62 ATOM 169 CB PRO 338 3.272 8.592 -7.603 1.00 0.71 ATOM 170 HB1 PRO 338 4.218 8.477 -7.071 1.00 0.78 ATOM 171 HB2 PRO 338 4.218 8.477 -7.071 1.00 0.78 ATOM 171 HB2 PRO 338 4.218 8.477 -7.071 1.00 0.78 ATOM 171 HB2 PRO 338 4.218 8.477 -7.071 1.00 0.78 ATOM 173 HG1 PRO 338 3.823 6.408 -7.952 1.00 0.64 ATOM 173 HG1 PRO 338 4.218 8.477 6.8.244 1.00 0.77 ATOM 173 HG1 PRO 338 4.570 6.440 -8.740 1.00 0.71 ATOM 175 CD PRO 338 4.219 6.404 -8.740 1.00 0.71 ATOM 175 CD PRO 338 4.209 4.749 -6.666 1.00 0.48 ATOM 176 HD2 PRO 338 4.209 4.749 -6.666 1.00 0.48 ATOM 177 HD1 PRO 338 4.209 4.749 -6.666 1.00 0.48 ATOM 177 HD1 PRO 338 5.476 5.997 -6.666 1.00 0.48 ATOM 179 0 PRO 338 0.977 6.933 -6.311 1.00 0.62 ATOM 180 N PRO 339 0.758 8.476 5.549 1.00 0.76 ATOM 181 CA PRO 339 0.758 8.476 5.549 1.00 0.76 ATOM 182 HAP PRO 339 -0.712 8.361 -5.375 1.00 0.76 ATOM 182 HAP PRO 339 -0.712 8.361 -5.375 1.00 0.76 ATOM 183 CB PRO 339 -0.712 8.361 -5.375 1.00 0.76 ATOM 186 HB2 PRO 339 -0.706 9.568 -4.514 1.00 0.82 ATOM 186 HB2 PRO 339 -1.005 9.967 -4.808 1.00 0.91 ATOM 186 HB2 PRO 339 -1.005 9.967 -4.808 1.00 0.91 ATOM 186 HB2 PRO 339 -1.005 9.967 -4.808 1.00 0.91 ATOM 187 HG1 PRO 339 -1.005 9.967 -4.808 1.00 0.98 ATOM 189 CD PRO 339 1.255 9.803 -5.154 1.00 0.78 ATOM 189 CD PRO 339 1.255 9.803 -5.154 1.00 0.78 ATOM 189 CD PRO 339 1.255 9.803 -5.154 1.00 0.78 ATOM 199 HD1 PRO 339 1.255 9.803 -5.154 1.00 0.78 ATOM 199 HD1 PRO 339 1.255 9.803 -5.154 1.00 0.78 ATOM 199 HD1 PRO 339 1.255 9.803 -5.154 1.00 0.98 ATOM 199 HD1 PRO 339 1.255 9.803 -5.154 1.00 0.99 ATOM 199 HD1 PRO 339 1.255 9.803 -5.154 1.00 0.99 ATOM 199 HD2 PRO 339 1.255 9.803 -5.154 1.00 0.99 ATOM 199 HD2 PRO 339 1.255 9.803 -5.154 1.00 0.99 ATOM 199 HD2 PRO 339 1.255 9.803 -5.154 1.00 0.99 ATOM 199 HD2 PRO 339 1.255 9.955 1.00 0.00 0.90 ATOM 199	ATOM	163 HG23 VAL	337	3.952	2.213	-2.269	1.00	1.07
ATOM 165 O VAL 337 3.120 6.872 -3.517 1.00 0.44 ATOM 166 N PRO 338 3.726 6.524 -5.631 1.00 0.51 ATOM 167 CA PRO 338 3.727 7.700 -6.137 1.00 0.62 ATOM 168 HAP PRO 338 3.272 8.592 -5.611 1.00 0.65 ATOM 169 CB PRO 338 3.393 7.792 -7.603 1.00 0.71 ATOM 170 HB1 PRO 338 4.218 8.477 -7.717 1.00 0.78 ATOM 171 HB2 PRO 338 4.218 8.477 -7.717 1.00 0.78 ATOM 171 HB2 PRO 338 4.218 8.477 -7.717 1.00 0.78 ATOM 173 HG1 PRO 338 3.82 6.408 -7.952 1.00 0.64 ATOM 173 HG1 PRO 338 4.218 8.477 -7.952 1.00 0.64 ATOM 173 HG1 PRO 338 4.218 6.408 -7.952 1.00 0.64 ATOM 175 CD PRO 338 4.570 6.440 -8.740 1.00 0.71 ATOM 175 CD PRO 338 4.215 5.810 -6.714 1.00 0.53 ATOM 176 HD2 PRO 338 4.216 5.810 -6.714 1.00 0.53 ATOM 176 HD2 PRO 338 4.209 4.749 -6.666 1.00 0.48 ATOM 177 HD1 PRO 338 4.207 6.666 1.00 0.48 ATOM 178 C PRO 338 1.460 7.465 -6.006 1.00 0.62 ATOM 180 N PRO 339 0.758 8.476 5.599 -6.666 1.00 0.62 ATOM 181 CA PRO 339 0.758 8.476 5.549 1.00 0.76 ATOM 182 HAP PRO 339 -0.712 8.361 -5.375 1.00 0.76 ATOM 182 HAP PRO 339 -0.712 8.361 -5.375 1.00 0.76 ATOM 183 CB PRO 339 -0.712 8.361 -5.375 1.00 0.76 ATOM 186 CG PRO 339 -1.066 9.568 -4.514 1.00 0.82 ATOM 187 HG1 PRO 339 -1.075 9.296 -3.470 1.00 0.77 ATOM 188 HB2 PRO 339 -1.066 9.568 -4.514 1.00 0.82 ATOM 188 HB2 PRO 339 -1.066 9.568 -4.514 1.00 0.78 ATOM 189 CD PRO 339 -1.075 9.296 -3.470 1.00 0.77 ATOM 189 CD PRO 339 -1.075 9.296 -3.470 1.00 0.77 ATOM 189 CD PRO 339 -1.075 9.296 -3.470 1.00 0.77 ATOM 189 CD PRO 339 -1.075 9.296 -3.470 1.00 0.78 ATOM 199 HD2 PRO 339 -1.075 9.296 -3.470 1.00 0.78 ATOM 199 HD2 PRO 339 -1.075 9.296 -3.470 1.00 0.78 ATOM 199 HD2 PRO 339 -1.075 9.296 -3.470 1.00 0.78 ATOM 199 HD2 PRO 339 -1.075 9.296 -3.470 1.00 0.78 ATOM 199 HD2 PRO 339 -1.075 9.296 -3.470 1.00 0.78 ATOM 199 HD2 PRO 339 -1.075 9.296 -9.470 1.00 0.78 ATOM 190 HD2 PRO 339 -1.075 9.296 9.300 1.00 0.70 ATOM 191 HD1 PRO 339 -1.075 9.296 9.300 1.00 0.70 ATOM 192 C PRO 339 -1.075 9.296 9.300 1.00 0.70 ATOM 193 O PRO 339 -1.075 9.296 9.300 1.00 0.90 ATOM 195 HN LEU 340 0.039 1.000 1.00 0.90 ATOM 197 HA L	MOTA	164 C VAL	337	3.721	6.228	-4.353	1.00	0.43
ATOM 166 N PRO 338 3.726 6.524 -5.631 1.00 0.65 ATOM 167 Ca PRO 338 2.973 7.700 -6.137 1.00 0.65 ATOM 168 HA PRO 338 3.272 8.592 -5.611 1.00 0.65 ATOM 169 CB PRO 338 3.272 8.592 -5.611 1.00 0.78 ATOM 170 HB1 PRO 338 3.293 7.792 -7.603 1.00 0.71 ATOM 171 HB2 PRO 338 4.218 8.477 -7.717 1.00 0.78 ATOM 171 HB2 PRO 338 4.218 8.477 -7.717 1.00 0.78 ATOM 172 CG PRO 338 2.555 8.101 -8.214 1.00 0.77 ATOM 173 HG1 PRO 338 4.218 8.477 -7.717 1.00 0.78 ATOM 173 HG1 PRO 338 4.256 8.101 -8.214 1.00 0.77 ATOM 173 HG1 PRO 338 4.570 6.440 -8.740 1.00 0.71 ATOM 174 HG2 PRO 338 4.570 6.440 -8.740 1.00 0.73 ATOM 175 CD PRO 338 4.570 6.440 -8.740 1.00 0.53 ATOM 175 CD PRO 338 4.415 5.810 -6.714 1.00 0.53 ATOM 176 HD2 PRO 338 4.415 5.810 -6.714 1.00 0.53 ATOM 176 HD2 PRO 338 4.415 5.810 -6.741 1.00 0.53 ATOM 176 HD2 PRO 338 5.476 5.997 -6.666 1.00 0.48 ATOM 179 C PRO 338 0.977 6.393 -6.511 1.00 0.63 ATOM 178 C PRO 338 0.977 6.393 -6.511 1.00 0.65 ATOM 182 HA PRO 339 0.758 8.476 -5.549 1.00 0.70 ATOM 182 HA PRO 339 0.758 8.476 -5.549 1.00 0.70 ATOM 182 HA PRO 339 0.758 8.476 -5.549 1.00 0.70 ATOM 184 HB1 PRO 339 -0.712 8.361 -5.375 1.00 0.75 ATOM 185 HB2 PRO 339 -0.712 8.361 -5.375 1.00 0.72 ATOM 186 HB1 PRO 339 -0.965 7.452 -4.855 1.00 0.72 ATOM 186 HB2 PRO 339 -0.105 9.256 -3.470 1.00 0.72 ATOM 186 HB2 PRO 339 -0.055 11.144 -3.880 1.00 0.97 ATOM 186 HB2 PRO 339 -0.055 11.144 -3.880 1.00 0.97 ATOM 186 HB2 PRO 339 -0.055 11.144 -3.880 1.00 0.98 ATOM 187 HB1 PRO 339 -0.055 11.144 -3.880 1.00 0.98 ATOM 187 HB1 PRO 339 -0.055 11.144 -3.880 1.00 0.98 ATOM 187 HB1 PRO 339 -0.055 11.144 -3.880 1.00 0.99 ATOM 187 HB1 PRO 339 -0.055 11.144 -3.880 1.00 0.99 ATOM 187 HB1 PRO 339 -0.055 11.144 -3.880 1.00 0.99 ATOM 187 HB1 PRO 339 -0.055 11.144 -3.880 1.00 0.99 ATOM 197 HB LEU 340 -0.288 S.97 -9.895 1.00 0.00 0.90 ATOM 197 HB LEU 340 -0.288 S.97 -9.895 1.00 0.00 0.90 ATOM 197 HB LEU 340 -0.288 S.97 -9.895 1.00 0.00 0.90 ATOM 197 HB LEU 340 -0.288 S.97 -9.895 1.00 0.00 0.90 ATOM 197 HB LEU 340 -0.289 S.99 S.91 1.00 0.00 0.90 ATOM 197 HB LEU 340 -				3.120	6.872	-3.517	1.00	0.44
ATOM 168 HA PRO 338								0.51
ATOM 168 HA PRO 338 3.272 8.592 -5.611 1.00 0.65 ATOM 169 CB PRO 338 3.393 7.792 -7.603 1.00 0.78 ATOM 170 HB1 PRO 338 4.218 8.477 -7.17 1.00 0.78 ATOM 171 HB2 PRO 338 2.556 8.101 -8.214 1.00 0.78 ATOM 172 CG PRO 338 1.823 6.408 -7.962 1.00 0.64 ATOM 173 HG1 PRO 338 4.517 6.440 -8.740 1.00 0.78 ATOM 173 HG1 PRO 338 4.517 6.440 -8.740 1.00 0.78 ATOM 174 HG2 PRO 338 4.570 6.440 -8.740 1.00 0.63 ATOM 175 CD PRO 338 4.415 5.810 -6.714 1.00 0.53 ATOM 175 CD PRO 338 4.415 5.810 -6.714 1.00 0.53 ATOM 176 HD2 PRO 338 4.415 5.810 -6.714 1.00 0.53 ATOM 177 HD1 PRO 338 5.476 5.997 -6.666 1.00 0.48 ATOM 179 O PRO 338 1.460 7.465 -6.006 1.00 0.63 ATOM 179 O PRO 338 0.977 6.393 -6.311 1.00 0.63 ATOM 180 N PRO 339 0.758 8.476 -5.549 1.00 0.70 ATOM 181 CA PRO 339 -0.752 8.361 -5.375 1.00 0.70 ATOM 182 HA PRO 339 -0.965 7.452 -4.855 1.00 0.70 ATOM 183 CB PRO 339 -1.075 9.296 -3.470 1.00 0.79 ATOM 184 HB1 PRO 339 -1.075 9.296 -3.470 1.00 0.79 ATOM 186 CG PRO 339 -1.075 9.296 -3.470 1.00 0.77 ATOM 187 HG1 PRO 339 -0.0955 7.452 -4.855 1.00 0.77 ATOM 188 HG2 PRO 339 -0.055 1.0588 -4.514 1.00 0.89 ATOM 198 CG PRO 339 -0.055 1.0588 -4.514 1.00 0.89 ATOM 198 CG PRO 339 -0.005 11.144 -3.880 1.00 0.91 ATOM 198 CG PRO 339 -0.278 11.224 -5.580 1.00 0.79 ATOM 187 HG1 PRO 339 -0.278 11.224 -5.580 1.00 0.79 ATOM 188 HG2 PRO 339 -0.278 11.224 -5.580 1.00 0.79 ATOM 199 CD PRO 339 -0.278 11.224 -5.580 1.00 0.98 ATOM 190 CD PRO 339 -0.278 11.224 -5.580 1.00 0.98 ATOM 191 CD PRO 339 -0.278 11.224 -5.580 1.00 0.98 ATOM 192 C PRO 339 -0.278 11.224 -5.580 1.00 0.98 ATOM 193 CD PRO 339 -0.278 11.224 -5.580 1.00 0.98 ATOM 194 CD PRO 339 -0.278 11.224 -5.580 1.00 0.98 ATOM 195 CD PRO 339 -0.278 11.224 -5.580 1.00 0.98 ATOM 196 CA LEU 340 -0.439 9.262 -10.161 1.00 1.33 ATOM 197 CD PRO 339 -0.278 11.224 -5.580 1.00 0.99 ATOM 198 CB LEU 340 -0.439 9.262 -10.161 1.00 1.33 ATOM 208 CG LEU 340 -0.439 9.262 -10.66 1.00 0.98 ATOM 197 CD PRO 339 -0.278 11.224 -5.580 1.00 0.99 ATOM 208 HD21 LEU 340 -0.439 9.262 -10.61 1.00 1.33 ATOM 208 HD22 LEU 340 -0.439 9.262								
ATOM 169 CB PRO 338 3.393 7.792 -7.603 1.00 0.71 ATOM 1170 HB1 PRO 338 4.218 8.477 -7.717 1.00 0.78 ATOM 171 HB2 PRO 338 4.218 8.477 -7.717 1.00 0.78 ATOM 172 CG PRO 338 3.823 6.408 -7.962 1.00 0.64 ATOM 173 HG1 PRO 338 4.570 6.440 -8.746 1.00 0.77 ATOM 173 HG1 PRO 338 4.570 6.440 -8.746 1.00 0.71 ATOM 174 HG2 PRO 338 2.970 5.828 -8.287 1.00 0.63 ATOM 175 CD PRO 338 4.570 6.440 -8.740 1.00 0.71 ATOM 175 CD PRO 338 4.570 6.440 -8.740 1.00 0.53 ATOM 176 HD2 PRO 338 4.570 6.440 -8.740 1.00 0.53 ATOM 177 HD1 PRO 338 4.570 6.440 -8.740 1.00 0.53 ATOM 177 HD1 PRO 338 1.460 7.465 -6.060 6.100 0.58 ATOM 178 C PRO 338 1.460 7.465 -6.060 6.100 0.58 ATOM 179 O PRO 338 0.977 6.393 -6.651 1.00 0.58 ATOM 180 N PRO 338 0.9758 8.476 5.597 6.391 -6.00 0.70 ATOM 181 CA PRO 339 -0.752 8.361 -5.375 1.00 0.70 ATOM 182 HA PRO 339 -0.965 7.452 -4.855 1.00 0.76 ATOM 183 GB PRO 339 -1.066 9.558 -4.514 1.00 0.82 ATOM 184 HB1 PRO 339 -1.006 9.558 -4.514 1.00 0.82 ATOM 185 HB2 PRO 339 -1.005 9.296 -3.470 1.00 0.77 ATOM 186 CG PRO 339 -0.095 7.452 -4.855 1.00 0.72 ATOM 187 HG1 PRO 339 -0.055 7.452 -4.855 1.00 0.72 ATOM 188 HG2 PRO 339 -0.055 1.144 -3.880 1.00 0.91 ATOM 190 HD2 PRO 339 1.255 9.803 -5.154 1.00 0.87 ATOM 191 HD1 PRO 339 -0.278 11.224 -5.801 1.00 0.87 ATOM 192 C PRO 339 1.756 10.285 -5.801 1.00 0.88 ATOM 190 HD2 PRO 339 1.756 10.285 -5.801 1.00 0.88 ATOM 190 HD2 PRO 339 1.756 10.285 -5.801 1.00 0.88 ATOM 191 HD1 PRO 339 1.756 10.285 -5.801 1.00 0.88 ATOM 192 C PRO 339 1.756 10.285 -5.801 1.00 0.88 ATOM 194 N LEU 340 -0.728 8.587 -7.805 1.00 0.98 ATOM 195 HN LEU 340 -0.728 8.587 -7.805 1.00 1.93 ATOM 196 CA LEU 340 -0.728 8.587 -7.805 1.00 1.93 ATOM 197 HA LEU 340 -0.728 8.587 -7.805 1.00 1.93 ATOM 198 CB LEU 340 -0.728 8.587 -7.805 1.00 1.01 ATOM 206 HB2 LEU 340 -0.728 8.587 -7.805 1.00 1.01 ATOM 207 HB2 LEU 340 -0.728 8.587 -7.805 1.00 1.03 ATOM 208 HB2 LEU 340 -0.728 8.587 -7.805 1.00 1.03 ATOM 209 HB2 LEU 340 -0.728 8.587 -7.805 1.00 1.03 ATOM 201 HB2 RB3 AND 341 -0.975 6.322 -1.056 1.00 1.32 ATOM 202 HG RB3 AND 340 -0.738								
ATOM								
ATOM 171 HB2 PRO 338								
ATOM								
ATOM 173 HG1 PRO 338 4.570 5.480 -8.287 1.00 0.673 ATOM 174 HG2 PRO 338 2.970 5.828 -8.287 1.00 0.633 ATOM 175 CD PRO 338 4.415 5.810 -6.714 1.00 0.53 ATOM 176 HD2 PRO 338 4.415 5.810 -6.714 1.00 0.53 ATOM 176 HD2 PRO 338 4.415 5.810 -6.666 1.00 0.58 ATOM 177 HD1 PRO 338 5.476 5.997 -6.666 1.00 0.58 ATOM 178 C PRO 338 0.977 6.393 -6.311 1.00 0.52 ATOM 180 N PRO 338 0.977 6.393 -6.311 1.00 0.52 ATOM 181 CA PRO 339 -0.758 8.476 -5.549 1.00 0.70 ATOM 181 CA PRO 339 -0.712 8.361 -5.375 1.00 0.76 ATOM 182 HA PRO 339 -0.965 7.452 -4.855 1.00 0.76 ATOM 183 CB PRO 339 -1.005 9.586 -4.514 1.00 0.82 ATOM 184 HB1 PRO 339 -1.005 9.586 -4.514 1.00 0.82 ATOM 185 HB2 PRO 339 -1.005 9.586 -4.514 1.00 0.82 ATOM 186 CG PRO 339 0.015 10.568 -4.772 1.00 0.77 ATOM 186 CG PRO 339 0.015 10.568 -4.772 1.00 0.87 ATOM 188 HG2 PRO 339 -0.278 11.224 -5.800 1.00 0.99 ATOM 188 HG2 PRO 339 -0.278 11.224 -5.800 1.00 0.98 ATOM 189 CD PRO 339 1.255 9.803 -5.154 1.00 0.88 ATOM 189 CD PRO 339 1.756 10.285 -5.80 1.00 0.98 ATOM 190 HD2 PRO 339 1.255 9.803 -5.154 1.00 0.85 ATOM 191 HD1 PRO 339 -2.265 9.803 -5.154 1.00 0.85 ATOM 192 C PRO 339 1.255 9.803 -5.154 1.00 0.85 ATOM 193 N LEU 340 -0.728 8.587 -7.805 1.00 0.98 ATOM 193 N LEU 340 -0.728 8.587 -7.805 1.00 0.98 ATOM 194 N LEU 340 -0.728 8.587 -7.805 1.00 1.03 ATOM 195 HD LEU 340 -0.728 8.587 -7.805 1.00 1.13 ATOM 196 CA LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 20 HB2 LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 20 HB2 LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 20 HB2 LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 20 HB2 LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 20 HB2 LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 20 HB2 LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 20 HB2 LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 20 HB2 LEU 340 -0.439 9.262 -10.161 1.00 1.47 ATOM 20 HB2 LEU 340 -0.439 9.262 -10.161 1.00 1.47 ATOM 20 HB2 LEU 340 -0.439 9.262 -10.161 1.00 1.47 ATOM 20 HB2 LEU 340 -0.439 9.262 -10.161 1.00 1.47 ATOM 20 HB2 LEU 340 -0.439 9.262 -10.161 1.00 1.47 ATOM 20 HB2 LEU 340 -0.439 9.262 -10	MOTA	171 HB2 PRO	338					
ATOM 175 CD PRO 338	MOTA	172 CG PRO	338	3.823	6.408	-7.962	1.00	0.64
ATOM 175 CD PRO 338			338	4.570	6.440	-8.740	1.00	0.71
ATOM 175 CD PRO 338				2.970	5.828	-8.287	1.00	0.63
ATOM 176 HD1 PRO 338								
ATOM 178 C PRO 338								
ATOM 178 C PRO 338								
ATOM 179 O PRO 338								
ATOM 181 CA PRO 339								
ATOM 181 CA PRO 339 -0.712 8.361 -5.375 1.00 0.76 ATOM 182 HA PRO 339 -0.965 7.452 -4.855 1.00 0.72 ATOM 183 CB PRO 339 -1.066 9.568 -4.514 1.00 0.82 ATOM 184 HB1 PRO 339 -1.075 9.296 -3.470 1.00 0.72 ATOM 185 HB2 PRO 339 -1.075 9.296 -3.470 1.00 0.91 ATOM 186 CG PRO 339 0.015 10.568 -4.772 1.00 0.89 ATOM 187 HG1 PRO 339 0.015 10.568 -4.772 1.00 0.89 ATOM 188 HG2 PRO 339 0.015 10.568 -4.772 1.00 0.89 ATOM 189 HD2 PRO 339 0.025 11.144 -3.880 1.00 0.98 ATOM 189 HD2 PRO 339 1.255 9.803 -5.154 1.00 0.89 ATOM 190 HD2 PRO 339 1.756 10.285 -5.982 1.00 0.85 ATOM 191 HD1 PRO 339 1.756 10.285 -5.982 1.00 0.85 ATOM 192 C PRO 339 -2.655 8.373 -6.723 1.00 0.90 ATOM 193 O PRO 339 -2.655 8.373 -6.780 1.00 0.99 ATOM 194 N LEU 340 0.247 8.647 -7.749 1.00 1.13 ATOM 196 CA LEU 340 -1.406 8.677 -9.129 1.00 1.13 ATOM 197 HA LEU 340 -2.269 9.321 -9.045 1.00 1.13 ATOM 199 HB1 LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 199 HB1 LEU 340 0.031 10.140 -9.749 1.00 1.21 ATOM 200 HB2 LEU 340 0.031 10.140 -9.749 1.00 1.21 ATOM 201 C LEU 340 -1.936 11.311 -10.279 1.00 1.21 ATOM 202 HG LEU 340 -1.936 11.311 -10.279 1.00 1.21 ATOM 203 CD1 LEU 340 -2.293 10.670 -11.071 1.00 1.21 ATOM 204 HD12 LEU 340 -2.293 10.670 -11.071 1.00 1.25 ATOM 205 HD12 LEU 340 -2.293 10.670 -11.071 1.00 1.25 ATOM 206 HD12 LEU 340 -2.293 10.670 -11.071 1.00 1.21 ATOM 207 CD2 LEU 340 -2.293 10.670 -11.071 1.00 1.25 ATOM 208 HD21 LEU 340 -0.439 9.262 -10.161 1.00 1.25 ATOM 207 CD2 LEU 340 -0.290 7.089 -9.972 1.00 0.99 ATOM 208 HD21 LEU 340 -0.596 5.050 -9.555 1.00 0.99 ATOM 209 HD2 LEU 340 -0.596 5.050 -9.555 1.00 0.90 1.21 ATOM 201 CG LEU 340 -0.291 10.670 -11.071 1.00 1.89 ATOM 202 HG LEU 340 -0.290 7.089 -9.972 1.00 0.99 ATOM 203 CD1 LEU 340 -0.566 5.050 -9.555 1.00 0.90 1.21 ATOM 204 HD11 LEU 340 -0.566 5.050 -9.555 1.00 0.90 1.21 ATOM 205 HD22 LEU 340 -0.566 5.050 -9.555 1.00 0.90 1.20 ATOM 207 CD2 LEU 340 -0.566 5.050 -9.555 1.00 0.90 1.20 ATOM 214 HN ARG 341 -0.676 6.502 -9.555 1.00 0.90 1.38 ATOM 215 CA ARG 341 -0.667 6.502 -9.555 1.00 0.99 ATOM 216 HB ARG 341 -0.	MOTA	179 O PRO	338					
ATOM 183 CB PRO 339 -1.066 9.568 -4.855 1.00 0.72 ATOM 183 HB1 PRO 339 -1.066 9.568 -4.814 1.00 0.82 ATOM 186 HB2 PRO 339 -1.075 9.296 -3.470 1.00 0.77 ATOM 186 CG PRO 339 -2.027 9.967 -4.808 1.00 0.77 ATOM 187 HG1 PRO 339 0.205 11.144 -3.880 1.00 0.87 ATOM 188 HG2 PRO 339 0.205 11.144 -3.880 1.00 0.82 ATOM 188 HG2 PRO 339 0.205 11.124 -5.580 1.00 0.98 ATOM 189 CD PRO 339 1.255 9.803 -5.154 1.00 0.78 ATOM 190 HD2 PRO 339 1.255 9.803 -5.154 1.00 0.78 ATOM 191 HD1 PRO 339 1.756 10.285 -5.982 1.00 0.85 ATOM 192 C PRO 339 -2.655 8.373 -6.780 1.00 0.76 ATOM 193 O PRO 339 -1.443 8.438 -6.723 1.00 0.76 ATOM 194 N LEU 340 -0.728 8.587 -7.805 1.00 1.13 ATOM 195 HN LEU 340 -0.728 8.587 -7.805 1.00 1.13 ATOM 196 CA LEU 340 -0.247 8.647 -7.749 1.00 1.13 ATOM 197 HA LEU 340 -1.406 8.677 -9.129 1.00 1.13 ATOM 198 CB LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 199 HB1 LEU 340 0.311 8.527 -10.409 1.00 1.35 ATOM 199 HB1 LEU 340 -1.213 9.646 -11.424 1.00 1.73 ATOM 201 CG LEU 340 -1.213 9.646 -11.424 1.00 1.73 ATOM 202 HG LEU 340 -1.213 9.646 -11.424 1.00 1.21 ATOM 203 CD1 LEU 340 -2.269 9.321 -9.749 1.00 1.73 ATOM 204 HD11 LEU 340 -2.259 10.170 1.071 1.00 1.81 ATOM 205 HD12 LEU 340 -1.213 9.646 -11.424 1.00 1.47 ATOM 206 HD13 LEU 340 -2.259 10.670 -11.071 1.00 1.81 ATOM 207 CD2 LEU 340 -1.213 9.646 -11.424 1.00 1.29 ATOM 208 HD12 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 209 HD22 LEU 340 -0.251 10.253 -12.447 1.00 1.29 ATOM 201 CG LEU 340 -0.251 10.253 -12.447 1.00 1.73 ATOM 202 HG LEU 340 -0.251 10.253 -12.447 1.00 1.73 ATOM 203 CD1 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 204 HD11 LEU 340 -0.251 10.253 -12.447 1.00 1.81 ATOM 205 HD12 LEU 340 -0.666 5.055 -9.947 1.00 0.41 ATOM 207 CD2 LEU 340 -0.666 5.055 -9.247 1.00 0.41 ATOM 208 HD21 LEU 340 -0.666 5.055 -9.247 1.00 0.70 ATOM 209 HD22 LEU 340 -0.666 5.055 -9.247 1.00 0.99 ATOM 210 HD23 LEU 340 -0.666 5.057 -9.277 1.00 0.99 ATOM 211 C LEU 340 -0.666 5.057 -9.277 1.00 0.90 ATOM 212 ARG 341 -0.375 7.186 -13.589 1.00 0.37 ATOM 220 HB18 LARG 341 -0.375 7.186 -13.589 1.00 0.	MOTA	180 N PRO	339	0.758	8.476			
ATOM 184 HB1 PRO 339 -1.066 9.568 -4.514 1.00 0.82 ATOM 184 HB1 PRO 339 -1.075 9.296 -3.470 1.00 0.77 ATOM 185 HB2 PRO 339 -2.027 9.967 -4.808 1.00 0.91 ATOM 186 CG PRO 339 0.015 10.568 -4.772 1.00 0.87 ATOM 186 CG PRO 339 0.015 10.568 -4.772 1.00 0.87 ATOM 188 HG2 PRO 339 0.025 11.144 -3.880 1.00 0.89 ATOM 189 CD PRO 339 -0.278 11.224 -5.580 1.00 0.78 ATOM 189 CD PRO 339 1.756 10.285 -5.982 1.00 0.78 ATOM 190 HD2 PRO 339 1.756 10.285 -5.982 1.00 0.78 ATOM 191 HD1 PRO 339 1.756 10.285 -5.982 1.00 0.76 ATOM 192 C PRO 339 1.756 10.285 -5.982 1.00 0.76 ATOM 193 O PRO 339 -2.655 8.373 -6.780 1.00 0.90 ATOM 193 O PRO 339 -2.655 8.373 -6.780 1.00 0.90 ATOM 194 N LEU 340 -0.728 8.587 -7.805 1.00 0.99 ATOM 195 C LEU 340 -0.247 8.647 -7.749 1.00 1.11 ATOM 196 CA LEU 340 -1.406 8.677 -7.499 1.00 1.11 ATOM 197 HA LEU 340 -2.269 9.321 -9.045 1.00 1.35 ATOM 199 HB1 LEU 340 -2.269 9.321 -9.045 1.00 1.37 ATOM 199 HB1 LEU 340 -0.439 9.262 -10.161 1.00 1.37 ATOM 199 HB1 LEU 340 -0.439 9.262 -10.161 1.00 1.37 ATOM 200 HB2 LEU 340 0.031 8.527 -10.409 1.00 1.21 ATOM 201 CG LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 202 HG LEU 340 -0.331 8.527 -10.409 1.00 1.21 ATOM 202 HG LEU 340 -2.269 10.164 -9.749 1.00 1.45 ATOM 202 HG LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 203 CD1 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 204 HD11 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 205 HD12 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 207 CD2 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 207 CD2 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 207 CD2 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 207 CD2 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 207 CD2 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 208 HD21 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 208 HD21 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 208 HD21 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 208 HD21 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 208 HD21 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 208 HD21 LEU 340 -2.293 10.060 10.068 ATOM 208 HD21 LEU 340 -2.293 10.060 10.068 A	MOTA	181 CA PRO	339	-0.712	8.361	-5.375	1.00	
ATOM 184 HB1 PRO 339 -1.066 9.568 -4.514 1.00 0.82 ATOM 185 HB2 PRO 339 -1.075 9.296 -3.470 1.00 0.77 ATOM 185 HB2 PRO 339 -2.027 9.967 -4.808 1.00 0.91 ATOM 186 CG PRO 339 0.015 10.568 -4.772 1.00 0.87 ATOM 187 HG1 PRO 339 0.205 11.144 -3.880 1.00 0.98 ATOM 188 HG2 PRO 339 -0.278 11.224 -5.580 1.00 0.89 ATOM 189 CD PRO 339 1.255 9.803 -5.154 1.00 0.78 ATOM 190 HD2 PRO 339 1.756 10.285 -5.982 1.00 0.78 ATOM 191 HD1 PRO 339 1.756 10.285 -5.982 1.00 0.76 ATOM 192 C PRO 339 1.756 10.285 -5.982 1.00 0.76 ATOM 193 O PRO 339 -2.655 8.373 -6.780 1.00 0.90 ATOM 194 N LEU 340 -0.728 8.587 -7.805 1.00 0.99 ATOM 195 HN LEU 340 -0.247 8.647 -7.749 1.00 1.11 ATOM 196 CA LEU 340 -0.247 8.647 -7.749 1.00 1.11 ATOM 197 HA LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 199 HB1 LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 199 HB1 LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 199 HB1 LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 200 HB2 LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 200 HB2 LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 201 CG LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 202 HG LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 203 CD1 LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 203 CD1 LEU 340 -0.25 ATOM 204 HD11 LEU 340 -2.253 10.670 -11.071 1.00 1.81 ATOM 204 HD11 LEU 340 -2.263 10.670 -11.071 1.00 1.81 ATOM 205 HD21 LEU 340 -2.251 10.253 -12.447 1.00 1.45 ATOM 207 CD2 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 207 CD2 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 207 CD2 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 207 CD2 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 207 CD2 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 207 CD2 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 207 CD2 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 207 CD2 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 207 CD2 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 207 CD2 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 207 CD2 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 207 CD2 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 207 CD2 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 20	MOTA	182 HA PRO	339	-0.965	7.452	-4.855	1.00	0.72
ATOM 185 HB2 PRO 339				-1.066	9.568	-4.514	1.00	0.82
ATOM 186 CG PRO 339								
ATOM 186 CG PRO 339								
ATOM 187 HG1 PRO 339								
ATOM 188 HG2 PRO 339								
ATOM 199 CD PRO 339 1.255 9.803 -5.154 1.00 0.78 ATOM 190 HD2 PRO 339 1.756 10.285 -5.982 1.00 0.85 ATOM 191 HD1 PRO 339 1.920 9.713 -4.309 1.00 0.76 ATOM 192 C PRO 339 -1.443 8.438 -6.723 1.00 0.90 ATOM 193 O PRO 339 -2.655 8.373 -6.780 1.00 1.00 1.13 ATOM 194 N LEU 340 -0.728 8.587 -7.805 1.00 0.99 ATOM 195 HN LEU 340 0.247 8.647 -7.805 1.00 1.93 ATOM 196 CA LEU 340 -1.406 8.677 -9.129 1.00 1.13 ATOM 197 HA LEU 340 -2.269 9.321 -9.045 1.00 1.37 ATOM 198 CB LEU 340 -0.439 9.2662 -10.161 1.00 1.37 ATOM 199 HB1 LEU 340 0.311 8.527 -10.409 1.00 1.47 ATOM 199 HB1 LEU 340 0.311 8.527 -10.409 1.00 1.21 ATOM 200 HB2 LEU 340 0.031 8.527 -10.409 1.00 1.21 ATOM 200 HB2 LEU 340 0.039 10.140 -9.749 1.00 1.73 ATOM 201 CG LEU 340 -1.213 9.646 -11.424 1.00 1.45 ATOM 202 HG LEU 340 -2.293 10.670 -11.071 1.00 1.87 ATOM 203 CD1 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 204 HD11 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 205 HD12 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 206 HD13 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 205 HD12 LEU 340 -2.521 11.267 -11.942 1.00 1.78 ATOM 205 HD12 LEU 340 -2.521 11.267 -11.942 1.00 1.78 ATOM 205 HD12 LEU 340 -2.521 11.267 -11.942 1.00 1.87 ATOM 207 CD2 LEU 340 -2.521 11.267 -11.942 1.00 1.70 ATOM 207 CD2 LEU 340 -0.251 10.253 -12.447 1.00 1.70 ATOM 207 CD2 LEU 340 -0.251 10.253 -12.447 1.00 1.70 ATOM 207 HD22 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 210 HD23 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 1.00 2.30 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 1.00 2.30 ATOM 210 HD23 LEU 340 -0.606 5.055 -9.247 1.00 0.40 ATOM 215 CA ARG 341 -0.366 5.057 -9.247 1.00 0.98 ATOM 215 CA ARG 341 -0.366 5.057 -9.255 1.00 0.40 1.70 ATOM 226 MB HB1 ARG 341 -0.366 5.057 -9.255 1.00 0.40 1.85 ATOM 220 CG ARG 341 -0.376 6.562 -12.269 1.00 2.83 ATO								
ATOM 190 HD2 PRO 339 1.756 10.285 -5.982 1.00 0.85 ATOM 191 HD1 PRO 339 1.920 9.713 -4.309 1.00 0.76 ATOM 192 C PRO 339 -1.443 8.438 -6.723 1.00 0.90 ATOM 193 O PRO 339 -2.655 8.373 -6.780 1.00 1.90 ATOM 194 N LEU 340 -0.728 8.587 -7.805 1.00 0.99 ATOM 195 HN LEU 340 0.247 8.647 -7.749 1.00 1.13 ATOM 196 CA LEU 340 -1.406 8.677 -9.129 1.00 1.13 ATOM 196 CA LEU 340 -1.406 8.677 -9.129 1.00 1.11 ATOM 197 HA LEU 340 -2.269 9.321 -9.045 1.00 1.47 ATOM 198 CB LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 199 HB1 LEU 340 0.311 8.527 -10.409 1.00 1.73 ATOM 200 HB2 LEU 340 0.311 8.527 -10.409 1.00 1.73 ATOM 201 CG LEU 340 -1.677 8.764 -11.842 1.00 1.45 ATOM 202 HG LEU 340 -1.677 8.764 -11.842 1.00 1.45 ATOM 203 CD1 LEU 340 -1.677 8.764 -11.842 1.00 1.45 ATOM 203 CD1 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 205 HD12 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 205 HD12 LEU 340 -2.293 10.670 -11.071 1.00 2.38 ATOM 205 HD12 LEU 340 -2.521 11.267 -11.942 1.00 2.04 ATOM 207 CD2 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 208 HD21 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 209 HD22 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 209 HD22 LEU 340 -0.433 9.814 -10.566 10.073 -12.407 1.00 1.381 ATOM 208 HD21 LEU 340 -0.433 9.814 -10.565 -10.744 1.00 1.87 ATOM 209 HD22 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 209 HD22 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 210 HD23 LEU 340 -0.433 9.814 -13.500 1.00 2.32 ATOM 211 C LEU 340 -0.433 9.814 -13.500 1.00 2.32 ATOM 212 O LEU 340 -0.433 9.814 -13.500 1.00 2.32 ATOM 213 N ARG 341 -0.975 6.325 -9.555 1.00 0.73 ATOM 212 O LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 212 O LEU 340 -0.433 9.814 -13.450 -10.00 1.98 ATOM 213 N ARG 341 -0.676 6.505 -9.247 1.00 0.99 ATOM 214 HN ARG 341 -0.376 6.505 -9.247 1.00 0.99 ATOM 217 CB ARG 341 -0.676 6.505 -9.247 1.00 0.41 ATOM 218 HB1 ARG 341 -0.676 6.505 -9.247 1.00 0.41 ATOM 218 HB1 ARG 341 -0.676 6.505 -9.247 1.00 0.289 ATOM 222 RG2 ARG 341 -0.679 6.562 -12.269 1.00 2.87 ATOM 222 RG2 ARG 341 -0.679 6.562 -12.269 1.00 2.87 ATOM 222 RG2 ARG								
ATOM 191 HD1 PRO 339 1.920 9.713 -4.309 1.00 0.76 ATOM 192 C PRO 339 -1.443 8.438 -6.723 1.00 0.90 ATOM 193 O PRO 339 -2.655 8.373 -6.780 1.00 1.13 ATOM 194 N LEU 340 -0.728 8.587 -7.805 1.00 0.99 ATOM 195 HN LEU 340 0.247 8.647 -7.749 1.00 1.13 ATOM 196 CA LEU 340 -1.406 8.677 -9.129 1.00 1.11 ATOM 197 HA LEU 340 -2.269 9.321 -9.045 1.00 1.47 ATOM 199 HB1 LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 199 HB1 LEU 340 0.311 8.527 -10.409 1.00 1.21 ATOM 200 HB2 LEU 340 0.039 10.140 -9.749 1.00 1.73 ATOM 201 CG LEU 340 -1.677 8.764 -11.842 1.00 1.29 ATOM 202 HG LEU 340 -2.293 10.670 -11.071 1.00 1.87 ATOM 204 HD11 LEU 340 -2.293 10.670 -11.071 1.00 1.87 ATOM 205 HD12 LEU 340 -2.521 11.267 -11.071 1.00 1.87 ATOM 206 HD13 LEU 340 -2.521 11.267 -11.942 1.00 1.87 ATOM 207 CD2 LEU 340 -2.521 10.253 -12.447 1.00 1.87 ATOM 209 HD22 LEU 340 -0.438 9.864 -10.744 1.00 1.87 ATOM 209 HD22 LEU 340 -0.551 10.253 -12.447 1.00 1.78 ATOM 209 HD23 LEU 340 -0.408 11.331 -10.279 1.00 2.38 ATOM 205 HD12 LEU 340 -0.251 10.253 -12.447 1.00 1.87 ATOM 208 HD21 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 209 HD22 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 211 C LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 212 N ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 213 N ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 215 CA ARG 341 -0.314 4.433 -10.993 1.00 1.01 ATOM 216 HA ARG 341 -0.376 4.953 -10.000 1.00 0.68 ATOM 217 CB ARG 341 -0.566 5.037 -12.380 1.00 1.51 ATOM 220 HG ARG 341 -0.666 4.713 -10.654 1.00 1.51 ATOM 220 HG ARG 341 -0.676 4.713 -10.654 1.00 1.51 ATOM 222 HG2 ARG 341 -0.676 4.713 -10.654 1.00 1.51 ATOM 222 HG2 ARG 341 -0.676 4.713 -10.654 1.00 1.51 ATOM 222 HG2 ARG 341 -0.676 4.713 -10.654 1.00 1.87 ATOM 222 HG2 ARG 341 -0.676 4.713 -10.654 1.00 1.89 ATOM 225 HD2 ARG 341 -0.676 4.713 -10.654 1.00 1.89 ATOM 226 CG ARG 341 -0.676 4.713 -10.654 1.00 1.89 ATOM 228 CZ ARG 341 -0.676 4	MOTA		339	1.255				
ATOM 192 C PRO 339 -1.443 8.438 -6.723 1.00 0.90 ATOM 193 O PRO 339 -2.655 8.373 -6.780 1.00 1.13 ATOM 194 N LEU 340 -0.728 8.587 -7.805 1.00 0.99 ATOM 195 HN LEU 340 0.247 8.647 -7.749 1.00 1.13 ATOM 196 CA LEU 340 -1.406 8.677 -9.129 1.00 1.13 ATOM 197 HA LEU 340 -2.269 9.321 -9.045 1.00 1.47 ATOM 198 CB LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 199 HB1 LEU 340 0.311 8.527 -10.409 1.00 1.21 ATOM 200 HB2 LEU 340 0.039 10.140 -9.749 1.00 1.73 ATOM 201 CG LEU 340 -1.213 9.646 -11.424 1.00 1.45 ATOM 202 HG LEU 340 -1.677 8.764 -11.842 1.00 1.45 ATOM 203 CD1 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 204 HD11 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 205 HD12 LEU 340 -3.184 10.156 -10.744 1.00 1.87 ATOM 206 HD13 LEU 340 -2.521 11.267 -11.942 1.00 2.04 ATOM 207 CD2 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 208 HD21 LEU 340 -0.481 1.312 -10.279 1.00 2.04 ATOM 209 HD22 LEU 340 -0.481 1.312 -10.50 1.070 ATOM 210 HD23 LEU 340 -0.481 1.312 -12.147 1.00 1.78 ATOM 210 HD23 LEU 340 -0.481 1.312 -12.50 1.00 2.32 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 211 C LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 212 O LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 213 N ARG 341 -0.975 6.325 -9.555 1.00 0.73 ATOM 214 HN ARG 341 -0.975 6.325 -9.555 1.00 0.98 ATOM 215 CA ARG 341 -0.378 3.357 -11.054 1.00 1.68 ATOM 216 HB HB ARG 341 -0.378 3.357 -11.054 1.00 1.51 ATOM 229 HB2 ARG 341 -0.378 3.357 -11.054 1.00 1.51 ATOM 229 HB2 ARG 341 -0.378 3.357 -11.056 1.00 2.22 ATOM 216 HB ARG 341 -0.378 3.357 -11.056 1.00 2.22 ATOM 221 HG ARG 341 -0.378 3.357 -11.056 1.00 3.07 ATOM 225 HD ARG 341 -0.676 4.713 -10.654 1.00 1.51 ATOM 225 HD ARG 341 -0.378 3.357 -11.056 1.00 3.07 ATOM 225 HD ARG 341 -0.378 3.357 -11.056 1.00 3.07 ATOM 226 CB ARG 341 -0.375 7.186 1.358 1.00 2.27 ATOM 227 HE ARG 341 -0.375 7.186 1.358 1.00 2.27 ATOM 222 HG ARG 341 -0.375 7.186 1.00 3.07 ATOM 224 HD ARG 341 -0.375 7.186 1.00 3.89 ATOM 228 CZ ARG 341 -0.375 7.186 1.00 3.89	ATOM	190 HD2 PRO	339	1.756	10.285	-5.982	1.00	
ATOM 192 C PRO 339 -1.443 8.438 -6.723 1.00 0.90 ATOM 193 O PRO 339 -2.655 8.373 -6.780 1.00 1.01 ATOM 194 N LEU 340 -0.728 8.587 -7.805 1.00 0.99 ATOM 195 HN LEU 340 0.247 8.647 -7.749 1.00 1.13 ATOM 196 CA LEU 340 -1.406 8.677 -9.129 1.00 1.11 ATOM 197 HA LEU 340 -2.269 9.321 -9.045 1.00 1.47 ATOM 198 CB LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 209 HB1 LEU 340 0.311 8.527 -10.409 1.00 1.21 ATOM 200 HB2 LEU 340 0.311 8.527 -10.409 1.00 1.21 ATOM 201 CG LEU 340 -1.213 9.646 -11.424 1.00 1.45 ATOM 202 HG LEU 340 -1.677 8.764 -11.842 1.00 1.29 ATOM 203 CD1 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 204 HD11 LEU 340 -1.936 11.311 -0.279 1.00 2.38 ATOM 205 HD12 LEU 340 -2.521 11.267 -11.942 1.00 2.04 ATOM 207 CD2 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 208 HD21 LEU 340 -0.438 11.320 -12.500 1.00 2.34 ATOM 209 HD22 LEU 340 -0.438 11.320 -12.500 1.00 2.32 ATOM 209 HD22 LEU 340 -0.438 11.320 -12.500 1.00 2.33 ATOM 210 HD23 LEU 340 -0.433 9.814 -13.417 1.00 2.33 ATOM 210 HD23 LEU 340 -0.433 9.814 -13.417 1.00 2.33 ATOM 211 C LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 212 O LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 211 HD3 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 212 O LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 213 N ARG 341 -0.975 6.325 -9.585 1.00 0.73 ATOM 214 HN ARG 341 -0.975 6.325 -9.585 1.00 0.99 ATOM 215 CA ARG 341 -0.975 6.325 -9.585 1.00 0.99 ATOM 216 HA ARG 341 -0.376 4.953 -10.000 1.00 0.68 ATOM 217 CB ARG 341 -0.566 5.037 -12.380 1.00 1.51 ATOM 220 HB2 ARG 341 -0.676 6.502 -9.247 1.00 1.81 ATOM 222 HG2 ARG 341 -0.676 6.562 -12.269 1.00 2.87 ATOM 225 HD2 ARG 341 -0.676 6.562 -12.269 1.00 2.87 ATOM 225 HD2 ARG 341 -0.676 6.562 -12.269 1.00 2.87 ATOM 225 HD2 ARG 341 -0.676 6.562 -12.269 1.00 2.87 ATOM 225 HD2 ARG 341 -0.676 6.562 -12.269 1.00 2.87 ATOM 226 CG ARG 341 -0.676 6.502 -12.269 1.00 2.87 ATOM 227 HE ARG 341 -0.676 6.502 -12.269 1.00 2.87 ATOM 228 CZ ARG 341 -0.676 6.502 -12.269 1.00 3.87 ATOM 228 CZ ARG 341 -0.676 6.502 -12.269 1.00 3.89 ATOM 228 CZ ARG 341 -0.676 6.502 -12.269 1.	ATOM	191 HD1 PRO	339	1.920	9.713	-4.309	1.00	0.76
ATOM 193 O PRO 339 -2.655 8.373 -6.780 1.00 1.13 ATOM 194 N LEU 340 -0.728 8.587 -7.805 1.00 0.99 ATOM 195 HN LEU 340 0.247 8.647 -7.749 1.00 1.13 ATOM 196 CA LEU 340 -1.406 8.677 -9.129 1.00 1.11 ATOM 197 HA LEU 340 -2.269 9.321 -9.045 1.00 1.47 ATOM 198 CB LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 199 HB1 LEU 340 0.331 8.527 -10.409 1.00 1.21 ATOM 200 HB2 LEU 340 0.039 10.140 -9.749 1.00 1.73 ATOM 201 CG LEU 340 -1.213 9.646 -11.424 1.00 1.45 ATOM 202 HG LEU 340 -1.677 8.764 -11.842 1.00 1.45 ATOM 203 CD1 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 204 HD11 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 205 HD12 LEU 340 -2.293 10.670 -11.971 1.00 2.38 ATOM 205 HD12 LEU 340 -2.521 11.267 -11.942 1.00 1.78 ATOM 207 CD2 LEU 340 -0.521 10.253 -12.447 1.00 1.78 ATOM 209 HD22 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 209 HD22 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 210 HD23 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 210 HD23 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 210 HD23 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 211 C LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 212 O LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 213 N ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 214 HN ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 215 CA ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 216 HA ARG 341 -0.314 4.33 -10.993 1.00 1.12 ATOM 216 HA ARG 341 -0.378 3.357 -11.054 1.00 1.89 ATOM 216 HA ARG 341 -0.378 3.357 -11.054 1.00 1.89 ATOM 216 HA ARG 341 -0.378 3.357 -11.055 1.00 0.98 ATOM 215 CA ARG 341 -0.378 3.357 -11.054 1.00 1.89 ATOM 225 HG2 ARG 341 -0.378 3.357 -11.566 1.00 3.87 ATOM 222 HG2 ARG 341 -0.566 5.037 -12.380 1.00 1.89 ATOM 225 HG2 ARG 341 -0.566 5.037 -12.380 1.00 1.89 ATOM 225 HG2 ARG 341 -0.566 5.037 -12.380 1.00 1.89 ATOM 225 HG2 ARG 341 -0.566 5.037 -12.380 1.00 1.89 ATOM 225 HG2 ARG 341 -0.676 4.713 -10.654 1.00 1.65 1.00 3.87 ATOM 226 NE ARG 341 -1.485 4.639 -12.269 1.00 2.83 ATOM 228 CD ARG 341 -0.676 6.507 -11.566 1.00 3.87 ATOM 228 CD ARG 341 -0.676 6.507 -11.566 1.00 3.87 ATOM 228 CD ARG 341 -1.485 4.639				-1.443	8.438	-6.723	1.00	0.90
ATOM 194 N LEU 340					8.373			1.13
ATOM 195 HN LEU 340								
ATOM 196 CA LEU 340 -1.406 8.677 -9.129 1.00 1.11 ATOM 197 HA LEU 340 -2.269 9.321 -9.045 1.00 1.47 ATOM 198 CB LEU 340 -0.439 9.262 -10.161 1.00 1.35 ATOM 199 HB1 LEU 340 0.311 8.527 -10.409 1.00 1.21 ATOM 200 HB2 LEU 340 0.039 10.140 -9.749 1.00 1.21 ATOM 201 CG LEU 340 -1.213 9.646 -11.424 1.00 1.45 ATOM 202 HG LEU 340 -1.677 8.764 -11.842 1.00 1.29 ATOM 203 CD1 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 204 HD11 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 205 HD12 LEU 340 -3.184 10.156 -10.744 1.00 1.87 ATOM 206 HD13 LEU 340 -2.521 11.267 -11.942 1.00 2.04 ATOM 207 CD2 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 208 HD21 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 209 HD22 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 211 C LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 212 O LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 213 N ARG 341 -0.975 6.325 -9.555 1.00 0.73 ATOM 214 HN ARG 341 -0.062 6.505 -9.247 1.00 0.40 ATOM 215 CA ARG 341 -0.378 3.357 -11.054 1.00 1.46 ATOM 216 HA ARG 341 -0.378 3.357 -11.054 1.00 1.46 ATOM 217 CB ARG 341 -0.378 3.357 -11.054 1.00 1.51 ATOM 228 HB1 ARG 341 -0.566 5.037 -12.380 1.00 1.51 ATOM 221 HG1 ARG 341 -0.566 5.037 -12.380 1.00 1.51 ATOM 222 HG2 ARG 341 -0.378 3.357 -11.056 1.00 2.27 ATOM 222 HG2 ARG 341 -0.378 3.357 -11.056 1.00 2.89 ATOM 224 HD1 ARG 341 -0.676 4.713 -10.656 1.00 2.89 ATOM 225 HD2 ARG 341 -0.378 7.281 -1.956 1.00 2.89 ATOM 224 HD1 ARG 341 -0.375 7.186 -13.589 1.00 2.27 ATOM 225 HD2 ARG 341 -0.679 6.562 -12.269 1.00 2.89 ATOM 226 NE ARG 341 -0.375 7.186 -13.589 1.00 2.37 ATOM 227 HE ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 228 CZ ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 229 NH1 ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 229 NH1 ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 229 NH1 ARG 341 -1.684 6.822 -11.966 1.00 3.89 ATOM 229 NH1 ARG 341 -1.684 6.822 -11.966 1.00 3.89								
ATOM 197 HA LEU 340								
ATOM 198 CB LEU 340								
ATOM 199 HB1 LEU 340								
ATOM 200 HB2 LEU 340	ATOM							
ATOM 201 CG LEU 340 -1.213 9.646 -11.424 1.00 1.45 ATOM 202 HG LEU 340 -1.677 8.764 -11.842 1.00 1.29 ATOM 203 CD1 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 204 HD11 LEU 340 -2.293 10.670 -11.071 1.00 2.38 ATOM 205 HD12 LEU 340 -3.184 10.156 -10.744 1.00 1.87 ATOM 206 HD13 LEU 340 -2.521 11.267 -11.942 1.00 2.04 ATOM 206 HD13 LEU 340 -2.521 11.267 -11.942 1.00 1.87 ATOM 208 HD21 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 208 HD21 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.403 9.814 -13.417 1.00 2.30 ATOM 211 C LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 211 C LEU 340 -2.990 7.089 -9.972 1.00 0.98 ATOM 212 O LEU 340 -2.990 7.089 -9.972 1.00 0.98 ATOM 213 N ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 214 HN ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 215 CA ARG 341 -0.975 6.325 -9.547 1.00 0.41 ATOM 215 CA ARG 341 -0.311 4.433 -10.993 1.00 1.12 ATOM 216 HA ARG 341 -0.314 4.433 -10.993 1.00 1.12 ATOM 217 CB ARG 341 -0.311 4.433 -10.993 1.00 1.12 ATOM 218 HB1 ARG 341 -0.311 4.433 -10.993 1.00 1.12 ATOM 219 HB2 ARG 341 -0.311 4.433 -10.993 1.00 1.12 ATOM 222 CG ARG 341 -0.378 3.357 -11.054 1.00 1.89 ATOM 222 HG1 ARG 341 -0.566 5.037 -12.380 1.00 1.89 ATOM 222 HG1 ARG 341 -0.566 5.037 -12.380 1.00 2.27 ATOM 222 HG2 ARG 341 -0.566 5.037 -12.380 1.00 2.83 ATOM 222 HG2 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 222 HG2 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 224 HD1 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 225 HD2 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 226 NE ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 227 HE ARG 341 -1.485 4.639 -12.782 1.00 2.27 ATOM 228 CZ ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 228 CZ ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 -1.864 6.822 -11.966 1.00 3.87 ATOM 228 CZ ARG 341 -1.864 6.822 -11.966 1.00 3.87 ATOM 228 CZ ARG 341 -1.861 7.057 -13.266 1.00 5.32 ATOM 230 HH11 ARG 341 1.861 7.057 -13.266 1.00 5.32 ATOM 230 HH11 ARG 341 1.861 7.0	MOTA	199 HB1 LEU	340	0.311	8.527			
ATOM 202 HG LEU 340 -1.677 8.764 -11.842 1.00 1.29 ATOM 203 CD1 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 204 HD11 LEU 340 -1.936 11.311 -10.279 1.00 2.38 ATOM 205 HD12 LEU 340 -3.184 10.156 -10.744 1.00 1.87 ATOM 206 HD13 LEU 340 -2.521 11.267 -11.942 1.00 2.04 ATOM 207 CD2 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 208 HD21 LEU 340 0.768 10.053 -12.147 1.00 1.70 ATOM 209 HD22 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 211 C LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 211 C LEU 340 -1.855 7.287 -9.585 1.00 0.73 ATOM 212 O LEU 340 -1.855 7.287 -9.585 1.00 0.73 ATOM 213 N ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 214 HN ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 215 CA ARG 341 -1.356 4.953 -10.000 1.00 0.68 ATOM 216 HA ARG 341 -0.311 4.433 -10.993 1.00 1.12 ATOM 218 HB1 ARG 341 -0.311 4.433 -10.993 1.00 1.12 ATOM 219 HB2 ARG 341 -0.378 3.357 -11.054 1.00 1.51 ATOM 220 CG ARG 341 -0.378 3.357 -11.054 1.00 1.51 ATOM 221 HG1 ARG 341 -0.566 5.037 -12.380 1.00 1.89 ATOM 222 HG1 ARG 341 -0.566 5.037 -12.380 1.00 1.81 ATOM 222 HG2 ARG 341 -0.566 5.037 -12.380 1.00 1.81 ATOM 222 HG2 ARG 341 -0.566 5.037 -12.380 1.00 2.27 ATOM 222 HG2 ARG 341 -0.566 5.037 -12.380 1.00 2.83 ATOM 222 HG2 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 224 HD1 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 225 HD2 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 226 NE ARG 341 -0.679 6.562 -12.269 1.00 3.07 ATOM 227 HE ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 226 NE ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 227 HE ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 3.69	ATOM	200 HB2 LEU	340	0.039	10.140	-9.749	1.00	1.73
ATOM 202 HG LEU 340 -1.677 8.764 -11.842 1.00 1.29 ATOM 203 CD1 LEU 340 -2.293 10.670 -11.071 1.00 1.81 ATOM 204 HD11 LEU 340 -1.936 11.311 -10.279 1.00 2.38 ATOM 205 HD12 LEU 340 -3.184 10.156 -10.744 1.00 1.87 ATOM 206 HD13 LEU 340 -2.521 11.267 -11.942 1.00 2.04 ATOM 207 CD2 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 208 HD21 LEU 340 0.768 10.053 -12.147 1.00 1.70 ATOM 209 HD22 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 211 C LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 212 O LEU 340 -1.855 7.287 -9.585 1.00 0.73 ATOM 212 O LEU 340 -2.990 7.089 -9.972 1.00 0.98 ATOM 213 N ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 214 HN ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 215 CA ARG 341 -0.062 6.505 -9.247 1.00 0.41 ATOM 216 HA ARG 341 -0.314 4.433 -10.993 1.00 1.02 ATOM 217 CB ARG 341 -0.311 4.433 -10.993 1.00 1.22 ATOM 219 HB2 ARG 341 -0.378 3.357 -11.054 1.00 1.96 ATOM 219 HB2 ARG 341 -0.378 3.357 -11.054 1.00 1.46 ATOM 222 CG ARG 341 -0.566 5.037 -12.380 1.00 1.51 ATOM 222 HG1 ARG 341 -0.566 5.037 -12.380 1.00 1.51 ATOM 222 HG2 ARG 341 -0.566 5.037 -12.380 1.00 2.27 ATOM 222 HG2 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 222 HG2 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 224 HD1 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 225 HD2 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 226 NE ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 227 HE ARG 341 -0.679 6.562 -12.269 1.00 3.07 ATOM 228 CZ ARG 341 -0.679 6.562 -12.269 1.00 3.77 ATOM 227 HE ARG 341 -1.684 6.822 -11.966 1.00 3.77 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 229 NH1 ARG 341 1.861 7.057 -13.266 1.00 5.32 ATOM 230 HH11 ARG 341 1.861 7.057 -13.266 1.00 5.32	MOTA	201 CG LEU	340	-1.213	9.646	-11.424	1.00	1.45
ATOM 203 CD1 LEU 340			340	-1.677	8,764	-11,842	1.00	1.29
ATOM 204 HD11 LEU 340 -1.936 11.311 -10.279 1.00 2.38 ATOM 205 HD12 LEU 340 -3.184 10.156 -10.744 1.00 1.87 ATOM 206 HD13 LEU 340 -2.521 11.267 -11.942 1.00 2.04 ATOM 207 CD2 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 208 HD21 LEU 340 0.768 10.053 -12.147 1.00 1.70 ATOM 209 HD22 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 0.0 2.32 ATOM 211 C LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 211 C LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 212 O LEU 340 -2.990 7.089 -9.972 1.00 0.73 ATOM 212 O LEU 340 -2.990 7.089 -9.972 1.00 0.98 ATOM 213 N ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 214 HN ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 215 CA ARG 341 -0.356 4.953 -10.000 1.00 0.68 ATOM 216 HA ARG 341 -2.323 4.986 -10.480 1.00 0.99 ATOM 217 CB ARG 341 -0.314 4.433 -10.993 1.00 1.12 ATOM 218 HB1 ARG 341 -0.378 3.357 -11.054 1.00 1.46 ATOM 219 HB2 ARG 341 -0.378 3.357 -11.054 1.00 1.46 ATOM 220 CG ARG 341 -0.566 5.037 -12.380 1.00 1.89 ATOM 221 HG1 ARG 341 -0.566 5.037 -12.380 1.00 1.89 ATOM 222 HG2 ARG 341 -0.566 5.037 -12.380 1.00 1.89 ATOM 222 HG2 ARG 341 -0.566 5.037 -12.380 1.00 2.27 ATOM 222 HG2 ARG 341 -0.566 5.037 -12.380 1.00 2.27 ATOM 222 HG2 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 224 HD1 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 225 HD2 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 226 NE ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 228 CZ ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 228 CZ ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 5.32 ATOM 230 HH11 ARG 341 1.861 7.057 -13.266 1.00 5.32 ATOM 230 HH11 ARG 341 1.861 7.056 6.310 -12.616 1.00 5.32 ATOM 230 HH11 ARG 341 1.726 6.310 -12.616 1.00 5.32							1.00	1.81
ATOM 205 HD12 LEU 340 -3.184 10.156 -10.744 1.00 1.87 ATOM 206 HD13 LEU 340 -2.521 11.267 -11.942 1.00 2.04 ATOM 207 CD2 LEU 340 -0.251 10.253 -12.447 1.00 1.78 ATOM 208 HD21 LEU 340 0.768 10.053 -12.147 1.00 1.70 ATOM 209 HD22 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 210 HD23 LEU 340 -0.408 11.320 -12.500 1.00 2.32 ATOM 211 C LEU 340 -0.433 9.814 -13.417 1.00 2.30 ATOM 211 C LEU 340 -1.855 7.287 -9.585 1.00 0.73 ATOM 212 O LEU 340 -2.990 7.089 -9.972 1.00 0.98 ATOM 213 N ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 214 HN ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 215 CA ARG 341 -0.975 6.325 -9.555 1.00 0.40 ATOM 215 CA ARG 341 -1.356 4.953 -10.000 1.00 0.68 ATOM 216 HA ARG 341 -2.323 4.986 -10.480 1.00 0.99 ATOM 217 CB ARG 341 -0.311 4.433 -10.993 1.00 1.12 ATOM 219 HB2 ARG 341 -0.311 4.433 -10.993 1.00 1.146 ATOM 219 HB2 ARG 341 -0.378 3.357 -11.054 1.00 1.46 ATOM 219 HB2 ARG 341 -0.566 5.037 -12.380 1.00 1.89 ATOM 222 CG ARG 341 -0.566 5.037 -12.380 1.00 1.89 ATOM 222 HG1 ARG 341 -0.566 5.037 -12.380 1.00 2.27 ATOM 222 HG2 ARG 341 -0.566 5.037 -12.380 1.00 2.27 ATOM 222 HG2 ARG 341 -0.566 5.037 -12.380 1.00 2.27 ATOM 222 HG2 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 224 HD1 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 224 HD1 ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 225 NE ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 226 NE ARG 341 -0.679 6.562 -12.269 1.00 3.07 ATOM 227 HE ARG 341 -0.679 6.562 -12.269 1.00 3.77 ATOM 227 HE ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 228 CZ ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 228 CZ ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 229 NH1 ARG 341 1.861 7.057 -13.266 1.00 5.32 ATOM 230 HH11 ARG 341 1.861 7.056 6.310 -12.616 1.00 5.28								
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ATOM 214 HN ARG 341 -0.062 6.505 -9.247 1.00 0.41 ATOM 215 CA ARG 341 -1.356 4.953 -10.000 1.00 0.68 ATOM 216 HA ARG 341 -2.323 4.986 -10.480 1.00 0.99 ATOM 217 CB ARG 341 -0.311 4.433 -10.993 1.00 1.12 ATOM 218 HB1 ARG 341 -0.378 3.357 -11.054 1.00 1.46 ATOM 219 HB2 ARG 341 0.676 4.713 -10.654 1.00 1.46 ATOM 220 CG ARG 341 -0.566 5.037 -12.380 1.00 1.51 ATOM 221 HG1 ARG 341 -1.485 4.639 -12.782 1.00 2.12 ATOM 222 HG2 ARG 341 0.253 4.784 -13.038 1.00 2.27 ATOM 223 CD ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 224 HD1 ARG 341 0.253 4.784 -13.038 1.00 2.27 ATOM 225 HD2 ARG 341 0.679 6.562 -12.269 1.00 2.83 ATOM 225 HD2 ARG 341 -1.684 6.822 -11.966 1.00 2.89 ATOM 226 NE ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 227 HE ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 0.832 7.609 -13.851 1.00 4.65 ATOM 229 NH1 ARG 341 1.861 7.057 -13.266 1.00 5.32 ATOM 230 HH11 ARG 341 1.726 6.310 -12.616 1.00 5.28					6.325	-9.555	1.00	0.40
ATOM 215 CA ARG 341 -1.356 4.953 -10.000 1.00 0.68 ATOM 216 HA ARG 341 -2.323 4.986 -10.480 1.00 0.99 ATOM 217 CB ARG 341 -0.311 4.433 -10.993 1.00 1.12 ATOM 218 HB1 ARG 341 -0.378 3.357 -11.054 1.00 1.46 ATOM 219 HB2 ARG 341 0.676 4.713 -10.654 1.00 1.51 ATOM 220 CG ARG 341 -0.566 5.037 -12.380 1.00 1.89 ATOM 221 HG1 ARG 341 -1.485 4.639 -12.782 1.00 2.12 ATOM 222 HG2 ARG 341 0.253 4.784 -13.038 1.00 2.27 ATOM 223 CD ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 224 HD1 ARG 341 0.021 6.919 -11.526 1.00 3.07 ATOM 225 HD2 ARG 341 -1.684 6.822 -11.966 1.00 2.89 ATOM 226 NE ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 227 HE ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 0.832 7.609 -13.851 1.00 4.65 ATOM 229 NH1 ARG 341 1.861 7.057 -13.266 1.00 5.32 ATOM 230 HH11 ARG 341 1.726 6.310 -12.616 1.00 5.28				-0.062				0.41
ATOM 216 HA ARG 341 -2.323 4.986 -10.480 1.00 0.99 ATOM 217 CB ARG 341 -0.311 4.433 -10.993 1.00 1.12 ATOM 218 HB1 ARG 341 -0.378 3.357 -11.054 1.00 1.46 ATOM 219 HB2 ARG 341 0.676 4.713 -10.654 1.00 1.51 ATOM 220 CG ARG 341 -0.566 5.037 -12.380 1.00 1.89 ATOM 221 HG1 ARG 341 -1.485 4.639 -12.782 1.00 2.12 ATOM 222 HG2 ARG 341 0.253 4.784 -13.038 1.00 2.27 ATOM 223 CD ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 224 HD1 ARG 341 0.021 6.919 -11.526 1.00 3.07 ATOM 225 HD2 ARG 341 -1.684 6.822 -11.966 1.00 3.07 ATOM 226 NE ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 227 HE ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 0.832 7.609 -13.851 1.00 4.65 ATOM 229 NH1 ARG 341 1.861 7.057 -13.266 1.00 5.32 ATOM 230 HH11 ARG 341 1.726 6.310 -12.616 1.00 5.28								
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ATOM 219 HB2 ARG 341								
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ATOM 223 CD ARG 341 -0.679 6.562 -12.269 1.00 2.83 ATOM 224 HD1 ARG 341 0.021 6.919 -11.526 1.00 3.07 ATOM 225 HD2 ARG 341 -1.684 6.822 -11.966 1.00 2.89 ATOM 226 NE ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 227 HE ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 0.832 7.609 -13.851 1.00 4.65 ATOM 229 NH1 ARG 341 1.861 7.057 -13.266 1.00 5.32 ATOM 230 HH11 ARG 341 1.726 6.310 -12.616 1.00 5.28							1.00	2.27
ATOM 224 HD1 ARG 341 0.021 6.919 -11.526 1.00 3.07 ATOM 225 HD2 ARG 341 -1.684 6.822 -11.966 1.00 2.89 ATOM 226 NE ARG 341 -0.375 7.186 -13.589 1.00 3.77 ATOM 227 HE ARG 341 -1.083 7.281 -14.260 1.00 3.89 ATOM 228 CZ ARG 341 0.832 7.609 -13.851 1.00 4.65 ATOM 229 NH1 ARG 341 1.861 7.057 -13.266 1.00 5.32 ATOM 230 HH11 ARG 341 1.726 6.310 -12.616 1.00 5.28								
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ATOM 229 NH1 ARG 341 1.861 7.057 -13.266 1.00 5.32 ATOM 230 HH11 ARG 341 1.726 6.310 -12.616 1.00 5.28								
ATOM 230 HH11 ARG 341 1.726 6.310 -12.616 1.00 5.28								
ATOM 231 HH12 ARG 341 2.785 7.382 -13.469 1.00 6.08								
	MOTA	231 HH12 ARG	341	2.785	7.382	-13.469	1.00	6.08

						0 504	44 701	1 00	E 10
MOTA	232	NH2	ARG	341	1.011	8.584	-14.701	1.00	5.18
MOTA	233	HH21	ARG	341	0.223	9.006	-15.149	1.00	5.01
MOTA		HH22	ARG	341	1.935	8.909	-14.903	1.00	5.96
					-1.421	4.033	-8.790	1.00	0.54
MOTA	235	С	ARG	341					
MOTA	236	0	ARG	341	-1.148	2.852	-8.872	1.00	0.50
MOTA	237	N	TRP	342	-1.781	4.573	-7.662	1.00	0.53
	238		TRP	342	-1.991	5.532	-7.631	1.00	0.61
ATOM		HN							
ATOM	239	CA	TRP	342	-1.866	3.740	-6.426	1.00	0.42
ATOM	240	HA	TRP	342	-0.870	3.445	-6.127	1.00	0.43
ATOM	241	CB	TRP	342	-2.513	4.543	-5.295	1.00	0.43
							-5.518	1.00	0.47
MOTA	242	HB1	TRP	342	-3.557	4.705			
MOTA	243	HB2	TRP	342	-2.011	5.494	-5.194	1.00	0.50
ATOM	244	CG	TRP	342	-2.387	3.771	-4.022	1.00	0.34
	245		TRP	342	-3.270	2.845	-3.583	1.00	0.35
MOTA									
ATOM	246	HD1	TRP	342	-4.177	2.553	-4.091	1.00	0.42
ATOM	247	CD2	TRP	342	-1.330	3.834	-3.021	1.00	0.30
ATOM	248	NE1	TRP	342	-2.819	2.332	-2.380	1.00	0.31
					-3.276	1.644	-1.853	1.00	0.35
MOTA	249	HE1	TRP	342					
ATOM	250	CE2	TRP	342	-1.628	2.911	-1.991	1.00	0.28
ATOM	251	CE3	TRP	342	-0.153	4.595	-2.910	1.00	0.34
		HE3	TRP	342	0.100	5.308	-3.681	1.00	0.39
MOTA	252								
MOTA	253	CZ2	TRP	342	-0.785	2.747	-0.889	1.00	0.31
MOTA	254	HZ2	TRP	342	-1.030	2.032	-0.116	1.00	0.35
ATOM	255	CZ3	TRP	342	0.695	4.435	-1.803	1.00	0.37
									0.44
MOTA	256	HZ3	TRP	342	1.595	5.026	-1.727	1.00	
MOTA	257	CH2	TRP	342	0.380	3.513	-0.795	1.00	0.35
ATOM	258	HH2	TRP	342	1.036	3.397	0.055	1.00	0.42
					-2.701	2.485	-6.700	1.00	0.35
atom	259	С	TRP	342					
ATOM	260	0	TRP	342	-2.269	1.378	-6.444	1.00	0.34
MOTA	261	N	LYS	343	-3.892	2.646	-7.223	1.00	0.36
	262		LYS	343	-4.218	3.548	-7.425	1.00	0.41
MOTA		HN							
MOTA	263	CA	LYS	343	-4.755	1.458	-7.518	1.00	0.34
MOTA	264	HA	LYS	343	-5.115	1.032	-6.589	1.00	0.35
ATOM	265	СВ	LYS	343	-5.946	1.892	-8.375	1.00	0.40
									0.41
ATOM	266		LYS	343	-5.592	2.240	-9.334	1.00	
MOTA	267	HB2	LYS	343	-6.478	2.689	-7.875	1.00	0.47
ATOM	268	CG	LYS	343	-6.885	0.702	-8.583	1.00	0.43
		HG1		343	-7.307	0.406	-7.634	1.00	0.48
MOTA	269								
MOTA	270	HG2	LYS	343	-6.330	-0.124	-9.004	1.00	0.40
MOTA	271	CD	LYS	343	-8.012	1.099	-9.537	1.00	0.50
ATOM	272	HD1		343	-7.664	1.024	-10.557	1.00	0.70
MOTA	273	HD2	LYS	343	-8.315	2.116	-9.333	1.00	0.82
ATOM	274	CE	LYS	343	-9.203	0.161	-9.337	1.00	0.87
MOTA	275	HE1		343	-9.772	0.479	-8.476	1.00	1.44
							-9.181	1.00	1.38
MOTA	276		LYS	343	-8.846	-0.846			
MOTA	277	NZ	LYS	343	÷10.073	0.197	-10.547	1.00	1.58
MOTA	278	HZ1	LYS	343	-10.202	1.183	-10.852	1.00	2.04
				343	~10.999		-10.321	1.00	2.03
MOTA	279		LYS						
MOTA	280	HZ3	LYS	343	~9.625		-11.313	1.00	2.15
ATOM	281	С	LYS	343	-3.939	0.407	-8.273	1.00	0.34
ATOM	282	Ō	LYS	343	-3.994	-0.768	-7.971	1.00	0.36
ATOM	283	N	GLU	344	-3.160	0.822	-9.238	1.00	0.38
MOTA	284	HN	GLU	344	-3.111	1.776	-9.456	1.00	0.40
MOTA	285	CA	GLU	344	-2.324	-0.160	-9.981	1.00	0.44
					-2.959	-0.886	-10.469	1.00	0.47
MOTA	286	HA	GLU	344					
MOTA	287	CB	GLU	344	-1.472	0.570	-11.021	1.00	0.53
MOTA	288	HB1	GLU	344	-0.656	-0.066	-11.329	1.00	0.90
MOTA	289	нв2	GLU	344	-1.077		-10.588	1.00	0.68
							-12.237	1.00	1.19
ATOM	290	CG	GLU	344	-2.333				
ATOM	291	HG1	GLU	344	-2.676		-12.157	1.00	1.51
ATOM	292	HG2	GLU	344	-3.184	0.251	-12.276	1.00	1.62
ATOM	293	CD	GLU	344	-1.502	0.759	-13.512	1.00	1.27
ATOM	294		GLU	344	-0.287	0.793	-13.412	1.00	1.38
MOTA	295	OE2	GLU	344	-2.095	0.607	-14.567	1.00	1.96
ATOM	296	c	GLU	344	-1.418	-0.861	-8.972	1.00	0.42
ATOM	297	0	GLU	344	-1.350	-2.073	-8.911	1.00	0.43
ATOM	298	N	PHE	345	-0.746	-0.096	-8.155	1.00	0.40
ATOM	299	HN	PHE	345	-0.842	0.878	-8.209	1.00	0.40
ATOM	300	CA	PHE	345	0.133	-0.696	-7.117	1.00	0.39
ATOM	301	HA	PHE	345	0.911	-1.281	-7.586	1.00	0.41
MOTA	302	CB	PHE	345	0.754	0.436	-6.287	1.00	0.38
ATOM					-0.028	1.101	-5.953	1.00	0.40
	303	HB1	PHE	345					
MOTA	304	HB2	PHE	345	1.450	0.987	-6.902	1.00	0.41
ATOM	305	CG	PHE	345	1.485	-0.117	-5.083	1.00	0.36
MOTA	306	CD1		345	1.435	0.573	-3.867	1.00	1.30
ATOM	307		PHE	345	0.870	1.491	-3.790	1.00	2.21
MOTA	308	CD2	PHE	345	2.217	-1.306	-5.182	1.00	1.22

ATOM	309	HD2	PHE	345	2.255	-1.842	-6.117	1.00	2.14
ATOM	310	CE1	PHE	345	2.115	0.077	-2.750	1.00	1.31
MOTA	311		PHE	345	2.075	0.612	-1.812	1.00	2.23
ATOM	312	CE2		345	2.896	-1.803	-4.064	1.00	1.21
MOTA	313	HE2		345	3.461	-2.718	-4.141	1.00	2.12 0.37
MOTA MOTA	314 315	CZ	PHE	345 345	2.846 3.372	-1.112 -1.496	-2.848 -1.986	1.00	0.37
MOTA	316	HZ C	PHE	345	-0.730	-1.594	-6.232	1.00	0.37
ATOM	317	õ	PHE	345	-0.282	-2.595	-5.709	1.00	0.37
MOTA	318	N	VAL	346	-1.977	-1.243	~6.083	1.00	0.37
ATOM	319	HN	VAL	346	-2.313	-0.438	~6.529	1.00	0.39
ATOM	320	CA	VAL	346	-2.896	-2.068	-5.259	1.00	0.40
ATOM	321	HA	VAL	346	-2.407	-2.356	-4.339	1.00	0.40
MOTA	322	CB	VAL	346	-4.150	-1.251	-4.944	1.00	0.52
MOTA	323	нв	VAL	346	-4.658	-1.002	-5.865	1.00	1.31
ATOM	324		VAL	346	-5.084	-2.064	-4.054	1.00	1.22
MOTA	325	HG11		346	-4.578	-2.309	-3.134	1.00	1.73
ATOM	326	HG12		346	-5.366 -5.968	-2.972 -1.482	-4.565 -3.837	1.00	1.84 1.77
ATOM	327	HG13		346	-3.751	0.034	-4.217	1.00	0.88
MOTA MOTA	328 329	HG21	VAL	346 346	-3.741	0.856	-4.917	1.00	1.44
ATOM	330			346	-2.767	-0.085	-3.788	1.00	1.55
ATOM	331			346	-4.463	0.240	-3.431	1.00	1.48
ATOM	332	C	VAL	346	-3.276	-3.317	-6.055	1.00	0.37
ATOM	333	0	VAL	346	-3.377	-4.406	-5.519	1.00	0.37
MOTA	334	N	LYS	347	-3.467	-3.171	-7.341	1.00	0.38
MOTA	335	HN	LYS	347	-3.363	-2.289	-7.756	1.00	0.39
ATOM	336	CA	LYS	347	-3.817	-4.351	-8.176	1.00	0.39
MOTA	337	HA	LYS	347	-4.726	-4.803	-7.806	1.00	0.40
ATOM	338	CB	LYS	347	-4.009	-3.915	-9.631 -10.278	1.00	0.43 0.81
MOTA MOTA	339 340		LYS	347 347	-3.428 -3.681	-4.554 -2.892	-9.745	1.00	0.77
ATOM	341	CG	LYS	347	-5.489		-10.008	1.00	0.92
MOTA	342		LYS	347	-6.078	-3.422	-9.332	1.00	1.27
MOTA	343		LYS	347	-5.803	-5.054	-9.942	1.00	1.24
MOTA	344	CD	LYS	347	-5.688		-11.440	1.00	1.11
MOTA	345	HD1	LYS	347	-5.098	-4.116	-12.117	1.00	1.38
MOTA	346		LYS	347	-5.374		-11.504	1.00	1.25
MOTA	347	CE	LYS	347	-7.166		-11.821	1.00	1.99
ATOM	348		LYS	347	-7.728		-11.309	1.00	2.39
MOTA	349		LYS	347	-7.540	-4.600	-11.536	1.00	2.52
MOTA MOTA	350 351	NZ	LYS	347 347	~7.312 -8.189		-13.294 -13.496	1.00	2.35 2.93
MOTA	352		LYS	347	-7.350		-13.753	1.00	2.57
ATOM	353		LYS	347	-6.501		-13.662	1.00	2.47
ATOM	354	C	LYS	347	-2.671	-5.354	-8.086	1.00	0.39
MOTA	355	Ō	LYS	347	-2.873	-6.530	-7.854	1.00	0.41
ATOM	356	N	ARG	348	~1.461	-4.890	-8.246	1.00	0.39
ATOM	357	HN	ARG	348	-1.322	-3.935	-8.416	1.00	0.39
MOTA	358	ÇA	ARG	348	-0.295	-5.806	-8.146	1.00	0.42
ATOM	359	HA	ARG	348	-0.412	-6.624	-8.842	1.00	0.47
ATOM	360	CB	ARG	348	0.990 1.843	-5.037	-8.462 -8.300	1.00	0.45 0.75
MOTA MOTA	361 362	HB2	ARG ARG	348 - 348	1.061	-5.678 -4.173	-7.816	1.00	0.95
ATOM	363	CG	ARG	348	0.968	-4.581	-9.923	1.00	1.12
MOTA	364		ARG	348	1.496		-10.016	1.00	1.84
ATOM	365		ARG	348	-0.055	-4.451	-10.244	1.00	1.77
ATOM	366	CD	ARG	348	1.649	-5.634	-10.799	1.00	1.28
MOTA	367	HD1	ARG	348	1.059	-6.539	-10.797	1.00	1.54
MOTA	368		ARG	348	2.634		-10.409	1.00	1.76
ATOM	369	NE	ARG	348	1.765		-12.193	1.00	2.08
MOTA	370	HE	ARG	348	1.642		-12.374	1.00	2.58
ATOM	371	CZ	ARG	348	2.032		-13.172	1.00	2.53
MOTA MOTA	372	HH11	ARG	348 348	1.143 0.257		-13.548 -13.086	1.00	3.15 3.43
ATOM	374	HH12		348	1.347		-14.298	1.00	3.63
ATOM	375		ARG	348	3.188	-5.883	-13.775	1.00	2.91
MOTA		HH21		348	3.869		-13.487	1.00	3.03
ATOM	377	HH22		348	3.392	-6.512	-14.525	1.00	3.41
ATOM	378	C	ARG	348	-0.231	-6.348	-6.719	1.00	0.40
MOTA	379	0	ARG	348	0.253	-7.435	-6.474	1.00	0.43
ATOM	380	N	LEU	349	-0.732	-5.596	-5.774	1.00	0.36
ATOM	381	HN	LEU	349	-1.124	-4.726	-5.997	1.00	0.35
MOTA	382	CA	LEU	349	-0.718	-6.060	-4.360	1.00	0.37
MOTA	383	HA	LEU	349	0.302	-6.157	-4.020	1.00	0.39
MOTA MOTA	384 385	CB HB1	LEU	349 349	-1.454 -2.389	-5.043 -5.464	-3.486 -3.149	1.00	0.36 0.48
011	203	HDI	750	343	-2.303	-3.404	J.143	1.00	0.40

MOTA	386	HB2	LEU	349	-1.649	-4.149	-4.062	1.00	0.41
MOTA	387	ÇG	LEU	349	-0.589	-4.692	-2.275	1.00	0.40
								1.00	0.65
MOTA	388	HG	LEU	349	0.051	-5.529	-2.036		
ATOM	389	CD1	LEU	349	0.270	-3.469	-2.600	1.00	0.52
MOTA	390	HD11	LEU	349	1.268	-3.789	-2.859	1.00	1.02
MOTA	391	HD12	LEU	349	0.313	-2.820	-1.737	1.00	1.18
ATOM	392		LEU	349	-0.165	-2.934	-3.431	1.00	1.30
						-4.378			0.56
ATOM	393		LEU	349	-1.491		-1.081	1.00	
MOTA	394	HD21	LEU	349	-1.483	-3.315	-0.894	1.00	1.15
ATOM	395	HD22	LEU	349	-1.127	-4.901	~0.208	1.00	1.15
MOTA	396	HD23		349	-2.500	-4.698	-1.298	1.00	1.11
				349	-1.417	-7.418	-4.274	1.00	0.38
MOTA	397	C	LEU						
MOTA	398	0	LEU	349	-0.853	-8.389	-3.811	1.00	0.40
MOTA	399	N	GLY	350	-2.637	-7.499	-4.731	1.00	0.38
MOTA	400	HN	GLY	350	-3.073	-6.706	-5.113	1.00	0.39
MOTA	401	CA	GLY	350	-3.358	-8.804	-4.686	1.00	0.41
	402		GLY	350	-2.725	-9.545	-4.220	1.00	0.49
ATOM									
MOTA	403	HA2	GLY	350	-3.593	-9.117	-5.693	1.00	0.46
ATOM	404	С	GLY	350	-4.653	-8.672	-3.880	1.00	0.32
MOTA	405	0	GLY	350	-5.238	-9.655	-3.471	1.00	0.32
MOTA	406	N	LEU	351	-5.114	-7.473	-3.650	1.00	0.31
				351	-4.637	-6.688	-3.988	1.00	0.35
ATOM	407	HN	LEU						
MOTA	408	CA	LEU	351	-6.375	-7.304	-2.876	1.00	0.28
ATOM	409	HA	LEU	351	-6.460	-8.100	-2.151	1.00	0.31
ATOM	410	CB	LEU	351	-6.359	-5.956	-2.153	1.00	0.34
ATOM	411	HB1	LEU	351	-6.954	-5.244	-2.705	1.00	0.78
ATOM	412	HB2	LEU	351	-5.342	-5.598	-2.082	1.00	0.74
						-6.124			0.69
ATOM	413	CG	LEU	351	-6.943		-0.749	1.00	
MOTA	414	HG	LEU	351	-7.915	-6.590	-0.818	1.00	1.53
ATOM	415	CD1	LEU	351	-6.014	-7.004	0.090	1.00	1.03
MOTA	416	HD11		351	-5.298	-7.491	-0.556	1.00	1.65
ATOM	417	HD12	LEU	351	-6.598	-7.751	0.608	1.00	1.55
ATOM				351	-5.492	-6.393	0.811	1.00	1.45
	418	HD13	LEU						
ATOM	419	CD2	LEU	351	-7.078	-4.751	-0.087	1.00	1.36
ATOM	420		LEU	351	-7.424	-4.034	-0.816	1.00	1.71
MOTA	421	HD22	LEU	351	-6.118	-4.440	0.297	1.00	1.92
MOTA	422	HD23	LEU	351	-7.788	-4.811	0.724	1.00	1.96
MOTA	423	С	LEU	351	-7.566	-7.358	-3.833	1.00	0.28
ATOM	424	ō	LEU	351	-7.434	-7.119	-5.017	1.00	0.30
							-3.333	1.00	0.32
MOTA	425	N	SER	352	-8.730	-7.674			
ATOM	426	HN	SER	352	-8.815	-7.866	-2.376	1.00	0.35
MOTA	427	CA	SER	352	-9.928	-7.746	-4.218	1.00	0.39
MOTA	428	HA	SER	352	-9.812	-8.564	-4.914	1.00	0.42
MOTA	429	CB	SER	352	-11.176	-7.977	-3.366	1.00	0.50
ATOM	430	HB1	SER	352	-11.572	-7.022	-3.044	1.00	0.91
MOTA	431	HB2	SER	352	-10.921	-8.566	~2.501	1.00	0.98
								1.00	1.21
ATOM	432	OG	SER	352	-12.147	-8.672	-4.136		
MOTA	433	HG	SER	352	-12.309	-9.520	-3.715	1.00	1.44
MOTA	434	С	SER	352	-10.076	-6.435	-4.993	1.00	0.38
ATOM	435	0	SER	352	-10.150	-5.367	-4.418	1.00	0.36
MOTA	436	N	ASP	353	-10.120	-6.507	-6.296	1.00	0.41
MOTA	437	HN	ASP	353	-10.060	-7.379	-6.740	1.00	0.44
MOTA	438	CA	ASP	353	-10.265	-5.266	-7.108	1.00	0.42
ATOM	439	HA	ASP	353	-9.387	-4.650	-6.984	1.00	0.41
ATOM	440	CB	ASP	353	-10.422	-5.639	-8.584	1.00	0.49
MOTA	441	HB1	ASP	353	-11.358	-5.249	-8.956	1.00	1.06
MOTA	442	HB2	ASP	353	-10.413	-6.714	-8.686	1.00	1.01
ATOM	443	CG	ASP	353	-9.267	-5.039	-9.388	1.00	1.39
ATOM	444	OD1	ASP	353	-9.539		-10.384	1.00	2.17
							0 005	4 00	
ATOM	445		ASP	353	-8.130	-5.241	-8.995	1.00	2.10
MOTA	446	С	ASP	353	-11.501	-4.493	-6.643	1.00	0.43
MOTA	447	0	ASP	353	-11.497	-3.280	-6.574	1.00	0.40
MOTA	448	N	HIS	354	-12.558	-5.187	-6.319	1.00	0.50
MOTA	449	HN	HIS	354	-12.540	-6.165	-6.379	1.00	0.55
ATOM	450	CA	HIS	354	-13.790	-4.490	-5.856	1.00	0.56
MOTA	451	HA	HIS	354	-14.088	-3.757	-6.591	1.00	0.58
MOTA	452	CB	HIS	354	-14.914	-5.511	-5.663	1.00	0.68
MOTA	453		HIS	354	-15.268	-5.468	-4.644	1.00	1.10
ATOM	454	HB2	HIS	354	-14.539	-6.502	-5.873	1.00	1.33
ATOM	455	CG	HIS	354	-16.047	-5.194	-6.600	1.00	1.29
MOTA	456	ND1		354	-15.862	-5.075	-7.969	1.00	2.24
MOTA	457	HD1		354	-15.002	-5.182	-8.450	1.00	2.68
MOTA	458		HIS	354	-17.382	-4.965	-6.381	1.00	2.16
ATOM	459	HD2		354	-17.866	-4.981	-5.416	1.00	2.62
MOTA	460		HIS	354	-17.057	-4.787	-8.516	1.00	3.03
MOTA	461	HE1	HIS	354	-17.219	-4.638	-9.573	1.00	3.92
MOTA	462	NE2	HIS	354	-18.019	-4.708	-7.592	1.00	3.02

ATOM	463	С	HIS	354	-13.502	-3.790	-4.528	1.00	0.49
ATOM	464	Ó	HIS	354	-13.852	-2.643	-4.332	1.00	0.49
ATOM	465	N	GLU	355	-12.860	-4.467	-3.616	1.00	0.49
MOTA	466	HN	GLU	355	-12.581	-5.389	-3.794	1.00	0.50
MOTA	467	CA	GLU	355	-12.546	-3.832	-2.306	1.00	0.49
MOTA	468	HA	GLU	355	-13.465	-3.596	-1.789	1.00	0.56
MOTA	469	CB	GLU	355	-11.713	-4.794	-1.456	1.00	0.55
ATOM	470	HB1	GLU	355	-10.802	-5.041	-1.980	1.00	0.96
MOTA	471	HB2	GLU	355	-12.280	-5.695	-1.273	1.00	0.95
MOTA	472	CG	GLU	355	-11.366	-4.128	-0.123	1.00	1.01
MOTA	473	HG1	GLU	355	-12.239	-3.628	0.267	1.00	1.63
MOTA	474	HG2	GLU	355	-10.575	-3.408	-0.276	1.00	1.68
MOTA	475	CD	GLU	355	-10.904	-5.192	0.873	1.00	1.40
MOTA	476		GLU	355	-9.849	-5.010	1.458	1.00	2.07
MOTA	477	OE2	GLU	355	-11.613	-6.172	1.033	1.00	1.91
MOTA	478	C	GLU	355	-11.753	-2.548	-2.551	1.00	0.40
MOTA	479	0	GLU	355	-11.879	-1.581	-1.828	1.00	0.43
ATOM	480	N	ILE	356	-10.942	-2.533	-3.574	1.00	0.33
ATOM	481	HN	ILE	356	-10.861	-3.324	-4.146	1.00	0.34
ATOM	482	CA	ILE	356	-10.143	-1.313	-3.876 -3.028	1.00	0.30 0.35
MOTA	483	HA	ILE	356	-9.520	-1.071	-5.028	1.00	0.33
MOTA	484	CB	ILE	356	-9.258	-1.577 -1.872	-5.933	1.00	0.36
MOTA	485	HB	ILE	356 356	-9.875 -8.270	-2.698	-4.766	1.00	0.39
MOTA MOTA	486 487	CG1 HG11	ILE	356	-8.815	-3.601	-4.537	1.00	0.38
MOTA		HG12	ILE	356	-7.674	-2.411	-3.913	1.00	0.43
ATOM	489	CG2	ILE	356	-8.484	-0.305	-5.457	1.00	0.39
MOTA	490		ILE	356	-8.663	0.450	-4.706	1.00	1.08
MOTA	491		ILE	356	-8.816	0.057	-6.419	1.00	1.06
MOTA		HG23	ILE	356	-7.428	-0.527	-5.501	1.00	1.06
MOTA	493	CD1	ILE	356	-7.357	-2.947	-5.967	1.00	0.47
MOTA	494		ILE	356	-6.572	-2.207	-5.981	1.00	1.16
ATOM		HD12	ILE	356	-7.934	-2.878	-6.877	1.00	1.16
MOTA		HD13	ILE	356	-6.922	-3.933	~5.889	1.00	1.07
ATOM	497	С	ILE	356	-11.090	-0.147	-4.167	1.00	0.31
ATOM	498	0	ILE	356	-10.833	0.981	-3.799	1.00	0.34
MOTA	499	N	ASP	357	-12.187	-0.412	-4.824	1.00	0.34
ATOM	500	HN	ASP	357	-12.378	-1.330	-5.111	1.00	0.37
ATOM	501	CA	ASP	357	-13.151	0.681	-5.134	1.00	0.40
MOTA	502	HA	ASP	357	-12.619	1.522	-5.554	1.00	0.43
MOTA	503	CB	ASP	357	-14.187	0.178	-6.142	1.00	0.48
MOTA	504	HB1	ASP	357	-15.158	0.575	-5.888	1.00	0.96
ATOM	505	HB2	ASP	357	-14.220	-0.901	-6.115	1.00	0.95
MOTA	506	CG	ASP	357	-13.801	0.642	-7.548	1.00	1.24
ATOM	507		ASP	357	-13.679	-0.205	-8.417	1.00	1.82
MOTA	508		ASP	357	-13.635	1.837	-7.732	1.00	2.06
ATOM	509	C	ASP	357	-13.858	1.113	-3.848	1.00	0.41
MOTA	510	0	ASP	357	-14.333	2.226	-3.733	1.00	0.45 0.43
ATOM	511	N	ARG	358	-13.932	0.241	-2.880	1.00	0.43
MOTA MOTA	512	HN	ARG	358	-13.543	-0.651 0.599	-2.995 -1.601	1.00	0.44
MOTA	513 514	CA HA	ARG ARG	358 358	-14.609 -15.482	1.186	-1.816	1.00	0.50
ATOM	515	CB	ARG	358	-15.019	-0.677	-0.863	1.00	0.57
ATOM	516	HB1		358	-15.605	-0.417	0.006	1.00	0.92
ATOM	517	HB2	_	358	-14.134	-1.214	-0.554	1.00	0.75
ATOM	518	CG	ARG	358	-15.854	-1.561	~1.791	1.00	1.10
ATOM	519	HG1		358	-15.244	-1.895	-2.616	1.00	1.46
ATOM	520	HG2		358	-16.693	-0.995	-2.168	1.00	1.66
MOTA	521	CD	ARG	358	-16.365	-2.777	-1.015	1.00	1.30
MOTA	522	HD1		358	-15.551	-3.214	-0.455	1.00	1.75
ATOM	523	HD2		358	-16.759	-3.506	-1.707	1.00	1.56
ATOM	524	NE	ARG	358	-17.441	-2.352	-0.076	1.00	1.98
MOTA	525	HE	ARG	358	-17.515	-1.412	0.193	1.00	2.56
MOTA	526	CZ	ARG	358	-18.286	-3.232	0.390	1.00	2.40
MOTA	527	NH1		358	-18.371	-3.438	1.676	1.00	3.04
ATOM	528 1	HH11		358	-17,790	-2.922	2.305	1.00	3.32
MOTA		HH12		358	-19.018	-4.112	2.032	1.00	3.55
MOTA	530	NH2		358	-19.044	-3.905	-0.431	1.00	2.82
MOTA	531 1			358	-18.979	-3.747	-1.416	1.00	3.00
ATOM		HH22		358	-19.691	-4.579	-0.075	1.00	3.31
MOTA	533	C	ARG	358	-13.660	1.412	-0.720	1.00	0.50
ATOM	534	0	ARG	358	-14.079	2.100	0.190	1.00	0.56
MOTA	535	N	LEU.		-12.388	1.337	-0.979	1.00	0.48
ATOM	536	HN	LEU	359	~12.077	0.777	-1.715	1.00	0.45
MOTA	537	CA	LEU	359	-11.412	2.104	-0.151	1.00	0.54
ATOM	538	HA	LEU	359	-11.525	1.824	0.886	1.00	0.61
MOTA	539	СВ	LEU	359	-9.978	1.800	-0.608	1.00	0.56

MOTA	540	HB1	LEU	359	-9.284	2.152	0.141	1.00	0.78
ATOM	541	HB2	LEU	359	-9.786	2.309	-1.541	1.00	0.86
MOTA	542	CG	LEU	359	-9.784	0.291	-0.806	1.00	0.58
ATOM	543	HG	LEU	359	-10.359	-0.035	-1.658	1.00	1.08
MOTA	544		LEU	359	-8.304	-0.003	-1.054	1.00	0.81
MOTA	545	HD11	LEU	359	-7.991	0.471	-1.972	1.00	1.55
ATOM	546	HD12	LEU	359	-8.157	-1.070	-1.131	1.00	1.29
ATOM	547	HD13		359	-7.719	0.382	-0.232	1.00	1.26
	548		LEU	359	~10.240	-0.469	0.443	1.00	0.98
ATOM							0.351	1.00	1.62
MOTA	549	HD21		359	-11.287	-0.717			
ATOM	550	HD22	LEU	359	-10.091	0.150	1.315	1.00	1.46
ATOM	551	HD23	LEU	359	-9.662	-1.376	0.542	1.00	1.49
MOTA	552	С	LEU	359	-11.684	3.601	-0.305	1.00	0.58
ATOM	553	o	LEU	359	-11.683	4.343	0.657	1.00	0.67
ATOM	554	N	GLU	360	-11.916	4.050	-1.507	1.00	0.59
-	555	HN	GLU	360	-11.913	3.435	-2.270	1.00	0.56
ATOM								1.00	0.72
MOTA	556	CA	GLU	360	-12.188	5.499	-1.720		
MOTA	557	HA	GLU	360	-11.354	6.079	-1.352	1.00	0.78
MOTA	558	CB	GLU	360	-12.379	5.770	-3.213	1.00	0.81
ATOM	559	HB1	GLU	360	-13.419	5.640	-3.473	1.00	1.05
ATOM	560	HB2	GLU	360	-11.775	5.080	-3.784	1.00	0.96
ATOM	561	CG	GLU	360	-11.953	7.205	-3.530	1.00	1.67
ATOM	562		GLU	360	-11.009	7.414	-3.050	1.00	2.26
									2.21
MOTA	563		GLU	360	-12.703	7.892	-3.164	1.00	
MOTA	564	CD	GLU	360	-11.802	7.371	-5.043	1.00	1.94
ATOM	565	OE1	GLU	360	-12.814	7.358	-5.724	1.00	2.33
MOTA	566	OE2	GLU	360	-10.677	7.508	-5.494	1.00	2.49
ATOM	567	С	GLU	360	-13.456	5.894	-0.962	1.00	0.76
ATOM	568	ō	GLU	360	-13.577	6.997	-0.466	1.00	0.86
ATOM	569	N	LEU	361	-14.403	5.001	-0.868	1.00	0.74
									0.69
ATOM	570	HN	LEU	361	-14.285	4.117	-1.274	1.00	
MOTA	571	CA	LEU	361	-15.662	5.325	-0.141	1.00	0.86
MOTA	572	HA	LEU	361	-16.056	6.264	-0.503	1.00	0.95
MOTA	573	CB	LEU	361	-16.688	4.215	-0.382	1.00	0.96
ATOM	574	HB1	LEU	361	-16.739	3.577	0.488	1.00	1.36
ATOM	575		LEU	361	-16.391	3.631	-1.241	1.00	1.11
ATOM	576	CG	LEU	361	-18.063	4.834	-0.636	1.00	1.71
								1.00	2.43
ATOM	577	HG	LEU	361	-18.061	5.863	-0.306		
MOTA	578		LEU	361	-18.381	4.780	-2.131	1.00	2.03
MOTA	579	HD11	LEU	361	-17.459	4.767	-2.695	1.00	2.51
MOTA	580	HD12	LEU	361	-18.959	5.649	-2.408	1.00	2.43
ATOM	581	HD13	LEU	361	-18.948	3.887	-2.347	1.00	2.25
ATOM	582		LEU	361	-19.125	4.050	0.137	1.00	2.33
ATOM	583	HD21		361	~18.693	3.135	0.515	1.00	2.74
					-19.949	3.814	-0.520	1.00	2.84
MOTA	584	HD22		361					
MOTA	585	HD23		361	-19.484	4.646	0.963	1.00	2.65
ATOM	586	С	LEU	361	-15.371	5.437	1.357	1.00	0.89
MOTA	587	0	LEU	361	-15.986	6.211	2.063	1.00	1.03
ATOM	588	N	GLN	362	-14.435	4.669	1.848	1.00	0.83
ATOM	589	HN	GLN	362	-13.950	4.052	1.261	1.00	0.76
ATOM	590	CA	GLN	362	-14.104	4.732	3.300	1.00	0.95
ATOM	591	HA	GLN	362	-14.952	4.394	3.877	1.00	1.11
MOTA	592	СВ	GLN	362	-12.900	3.834	3.589	1.00	0.97
						4.442	3.701	1.00	1.37
ATOM	593	HB1		362	-12.015				
MOTA	594	HB2		362	-12.761	3.143	2.769	1.00	1.26
ATOM	595	CG	GLN	362	-13.144	3.051	4.881	1.00	1.37
ATOM	596	HG1	GLN	362	-14.040	2.459	4.779	1.00	1.85
ATOM	597	HG2	GLN	362	-13.260	3.743	5.703	1.00	2.00
ATOM	598	CD	GLN	362	-11.954	2.129	5.153	1.00	1.42
ATOM	599		GLN	362	-10.989	2.129	4.415	1.00	1.39
ATOM	600		GLN	362	-11.983	1.336	6.190	1.00	2.20
							6.785	1.00	2.72
ATOM		HE21		362	-12.761	1.336			
MOTA	602			362	-11.226	0.742	6.373	1.00	2.46
MOTA	603	C	GLN	362	-13.768	6.174	3.686	1.00	1.04
MOTA	604	0	GLN	362	-14.293	6.709	4.642	1.00	1.30
MOTA	605	N	ASN	363	-12.896	6.809	2.950	1.00	1.02
ATOM	606	HN	ASN	363	-12.483	6.360	2:183	1.00	1.03
ATOM	607	CA	ASN	363	-12.529	8.214	3.279	1.00	1.24
MOTA	608	HA	ASN	363	-13.404	8.741	3.631	1.00	1.45
MOTA	609	CB	ASN	363	-11.459	8.218	4.373	1.00	1.35
MOTA	610		asn	363	-10.738	8.994	4.170	1.00	1.46
MOTA	611	HB2	asn	363	-10.962	7.259	4.392	1.00	1.49
ATOM	612	CG	ASN	363	-12.118	8.479	5.728	1.00	2.07
ATOM	613		ASN	363	-12.924	9.378	5.862	1.00	2.60
ATOM	614		ASN	363	-11.809	7.724	6.747	1.00	2.76
MOTA		HD21		363	-11.159	6.999	6.640	1.00	2.99
						7.883			
MOTA	210	HD22	NGA	363	-12.227	,.003	7.619	1.00	3.34

ATOM	617	С	ASN	363	-11.987	8.908	2.028	1.00	1.40
MOTA	618	Õ	ASN	363	-10.813	9.206	1.930	1.00	2.25
MOTA	619	N	GLY	364	-12.834	9.166	1.069	1.00	1.09
MOTA	620	HN	GLY	364	-13.777	8.917	1.169	1.00	1.35
MOTA	621	CA	GLY	364	-12.371	9.840	-0.177	1.00	1.25
MOTA	622	HA1	GLY	364	-13.191	9.907	-0.876	1.00	1.54
MOTA	623	HA2	GLY	364	-11.569	9.264	-0.618	1.00	1.26
MOTA	624	С	GLY	364	-11.868	11.249	0.148	1.00	1.27
MOTA	625	0	GLY	364	-11.155	11.856	-0.626	1.00	1.55
MOTA	626	N	ARG	365	-12.234	11.780	1.286	1.00	1.27
MOTA	627	HN	ARG	365	-12.811	11.278	1.898	1.00	1.42
MOTA	628	CA	ARG	365	-11.777	13.151	1.654	1.00	1.36
ATOM	629	HA	ARG	365	-12.239	13.872	0.997	1.00	1.70
MOTA	630	CB	ARG	365	-12.178	13.450	3.100	1.00	1.65
MOTA	631		ARG	365	-11.321	13.822	3.641	1.00	1.87
MOTA	632	HB2		365	-12.535	12.544	3.568	1.00	2.13
MOTA	633	CG	ARG	365	-13.286	14.506	3.116	1.00	2.23
MOTA	634		ARG	365	-13.961	14.332	2.291	1.00	2.71
MOTA	635	HG2	ARG	365	-12.848	15.489	3.021	1.00	2.50
MOTA	636	CD	ARG	365	-14.059	14.415	4.433	1.00	2.72
MOTA	637		ARG	365	-14.622	13.494	4.458	1.00	2.80 3.17
ATOM	638	HD2	ARG	365	-14.737	15.253	4.510	1.00	3.34
MOTA	639	NE	ARG	365	-13.102	14.445	5.574 5.468	1.00	3.67
MOTA	640	HE	ARG	365	-12.202	14.073 14.966	6.714	1.00	3.90
MOTA	641	CZ	ARG	365	-13.463	15.879	7.279	1.00	4.42
MOTA	642 643	HH11	ARG	365 365	-12.721 -11.875	16.179	6.838	1.00	4.48
MOTA	644	HH12	ARG ARG	365	-12.998	16.279	8.153	1.00	4.97
MOTA MOTA	645	NH2	ARG	365	-14.567	14.575	7.290	1.00	4.33
MOTA		HH21		365	-15.136	13.876	6.857	1.00	4.29
ATOM	647	HH22	ARG	365	-14.844	14.975	8.164	1.00	4.93
MOTA	648	C	ARG	365	-10.254	13.242	1.518	1.00	0.94
ATOM	649	ŏ	ARG	365	-9.739	13.797	0.567	1.00	1.24
MOTA	650	Ň	CYS	366	-9.529	12.701	2.459	1.00	0.68
ATOM	651	HN	CYS	366	-9.962	12.257	3.217	1.00	0.91
ATOM	652	CA	CYS	366	-8.043	12.759	2.378	1.00	0.77
ATOM	653	HA	CYS	. 366	-7.745	13.675	1.890	1.00	1.02
ATOM	654	СВ	CYS	366	-7.450	12.716	3.787	1.00	1.12
MOTA	655	HB1	CYS	366	-6.580	12.076	3.793	1.00	1.32
ATOM	656	HB2	CYS	366	-8.186	12.329	4.476	1.00	1.41
MOTA	657	SG	CYS	366	-6.972	14.387	4.291	1.00	1.97
MOTA	658	HG	CYS	366	-7.177	14.985	3.568	1.00	2.29
MOTA	659	С	CYS	366	-7.530	11.564	1.572	1.00	0.67
MOTA	660	0	CYS	366	-7.880	10.430	1.833	1.00	0.66
ATOM	661	N	LEU	367	-6.705	11.809	0.592	1.00	0.68
MOTA	662	HN	LEU	367	-6.437	12.731	0.397	1.00	0.77
ATOM	663	CA	LEU	367	-6.172	10.689	-0.232	1.00	0.65
MOTA	664	AH	LEU	367	-6.992	10.170	-0.707	1.00	0.65
MOTA	665	CB	LEU	367	-5.235	11.247	-1.303	1.00	0.79
ATOM	666		LEU	367	-4.373	11.692	-0.831	1.00	1.21
MOTA	667	HB2	LEU	367	-5.757	11.995	-1.883	1.00	1.27
MOTA	668	CG	LEU	367	-4.782	10.113 9.278	-2.222	1.00	1.20 1.65
MOTA	669	HG CD1	LEU	367 367	-4.447 -5.951	9.673	-1.624 -3.105	1.00	1.87
MOTA MOTA	670 671	HD11	LEU	367	-6.575	10.525	-3.103	1.00	2.32
ATOM	672		LEU	367	-6.533	8.926	-2.585	1.00	2.43
MOTA	673	HD13	LEU	367	-5.570	9.256	-4.025	1.00	2.19
MOTA	674		LEU	367	-3.634	10.606	-3.103	1.00	1.50
ATOM		HD21		367	-3.857	10.392	-4.138	1.00	1.88
MOTA		HD22		367	-2.722	10.104	-2.819	1.00	1.84
ATOM	677	HD23		367	-3.513	11.672	-2.974	1.00	2.01
ATOM	678	C	LEU	367	-5.403	9.715	0.663	1.00	0.56
MOTA	679	ō	LEU	367	-5.581	8.515	0.586	1.00	0.53
MOTA	680	N	ARG	368	-4.551	10.220	1.516	1.00	0.56
ATOM	681	HN	ARG	368	-4.425	11.191	1.564	1.00	0.62
MOTA	682	CA	ARG	368	-3.772	9.323	2.422	1.00	0.51
ATOM	683	HA	ARG	368	-3.041	8.768	1.846	1.00	0.50
ATOM	684	СВ	ARG	368	-3.053	10.167	3.477	1.00	0.58
ATOM	685	HB1	ARG	368	-3.231	9.746	4.456	1.00	1.21
ATOM	686		ARG	368	-3.431	11.179	3.446	1.00	0.95
MOTA	687	CG	ARG	368	-1.550	10.173	3.193	1.00	1.39
MOTA	688	HG1	ARG	368	-1.368	10.626	2.230	1.00	1.89
MOTA	689		ARG	368	-1.180	9.158	3.190	1.00	2.10
MOTA	690	CD	ARG	368	-0.830	10.978	4.276	1.00	1.56
MOTA	691		ARG	368	0.130	10.529	4.480	1.00	2.12
MOTA	692		ARG	368	-1.425	10.981	5.177	1.00	1.61
MOTA	693	NE	ARG	368	-0.634	12.378	3.804	1.00	2.27

MOTA	694	HE	ARG	368	-1.079	12.686	2.987	1.00	2.72
ATOM	695	CZ	ARG	368	0.130	13.193	4.478	1.00	2.82
MOTA	696	NH1	ARG	368	0.010	13.279	5.775	1.00	3.23
MOTA		HH11	ARG	368	-0.668	12.720	6.253	1.00	3.31
MOTA	698	HH12		368	0.596	13.904	6.291	1.00	3.77
MOTA	699		ARG	368	1.014	13.923	3.854	1.00	3.43
MOTA	700	HH21		368	1.105	13.858	2.861 4.370	1.00	3.61 3.97
MOTA MOTA	701 702	HH22 C	ARG ARG	368 368	1.600 -4.721	14.548 8.343	3.116	1.00	0.47
MOTA	703	Ö	ARG	368	-4.368	7.218	3.391	1.00	0.42
ATOM	704	N	GLU	369	-5.926	8.758	3.395	1.00	0.51
MOTA	705	HN	GLU	369	-6.199	9.669	3.160	1.00	0.55
MOTA	706	CA	GLU	369	-6.886	7.839	4.065	1.00	0.51
MOTA	707	HA	GLU	369	-6.457	7.486	4.991	1.00	0.52
MOTA	708	CB	GLU	369	-8.193	8.580	4.354	1.00	0.59
MOTA	709		GLU	369	-8.985	8.162	3.751	1.00	0.79
MOTA	710		GLU	369 369	-8.073 -8.549	9.628 8.428	4.117 5.834	1.00	1.16 1.21
ATOM ATOM	711 712	CG HG1	GLU GLU	369	-7.644	8.399	6.421	1.00	1.98
ATOM	713	HG2		369	-9.102	7.511	5.978	1.00	1.67
ATOM	714	CD	GLU	369	-9.404	9.616	6.280	1.00	1.53
ATOM	715		GLU	369	-10.074	9.492	7.292	1.00	2.22
MOTA	716	OE2		369	-9.375	10.630	5.602	1.00	1.87
ATOM	717	С	GLU	369	-7.163	6.648	3.150	1.00	0.49
MOTA	718	0	GLU	369	-7.149	5.510	3.575	1.00	0.50
MOTA	719	N	ALA	370	-7.404	6.898	1.893	1.00	0.50
ATOM	720	HN	ALA	370 370	-7.403 -7.670	7.823 5.776	1.568 0.953	1.00	0.51 0.52
MOTA MOTA	721 722	CA HA	ALA ALA	370	-7.670 -8.472	5.163	1.337	1.00	0.55
MOTA	723	CB	ALA	370	-8.059	6.334	-0.417	1.00	0.59
ATOM	724	HB1		370	-7.938	7.407	-0.415	1.00	1.16
MOTA	725	HB2	ALA	370	-9.090	6.089	-0.626	1.00	1.02
MOTA	726	нв3	ALA	370	-7.425	5.901	-1.176	1.00	1.17
MOTA	727	С	ALA	370	-6.402	4.933	0.820	1.00	0.46
ATOM	728	0	ALA	370	-6.425	3.727	0.969	1.00	0.44
ATOM	729	N	GLN	371	-5.291	5.562	0.551	1.00	0.45
MOTA	730 731	HN	GLN	371 371	-5.292 -4.021	6.536 4.799	0.442 0.421	1.00	0.48 0.41
MOTA MOTA	732	CA HA	GLN GLN	371	-4.127	4.049	-0.352	1.00	0.42
ATOM	733	CB	GLN	371	-2.880	5.754	0.061	1.00	0.45
MOTA	734		GLN	371	-2.031	5.185	-0.287	1.00	0.89
ATOM	735		GLN	371	-2.598	6.324	0.935	1.00	0.83
MOTA	736	CG	GLN	371	-3.336	6.709	-1.045	1.00	0.79
MOTA	737		GLN	371	-3.604	7.661	-0.611	1.00	1.41
MOTA	738		GLN	371	-4.194	6.289	-1.551	1.00	1.47
MOTA	739	CD	GLN	371 371	-2.199 -2.220	6.910 6.354	-2.048 -3.128	1.00	1.42 2.12
MOTA MOTA	740 741	NE2	GLN GLN	371	-1.199	7.688	-1.735	1.00	2.08
MOTA		HE21		371	-1.181	8.138	-0.865	1.00	2.32
MOTA	743	HE22		371	-0.464	7.821	-2.370	1.00	2.71
MOTA	744	С	GLN	371	-3.718	4.117	1.755	1.00	0.37
MOTA	745	0	GLN	371	-3.287	2.982	1.798	1.00	0.35
ATOM	746	N	TYR	372	-3.955	4.794	2.849	1.00	0.38
ATOM	747	HN	TYR	372	-4.315	5.705	2.798	1.00	0.41 0.38
MOTA MOTA	748 749	CA HA	TYR TYR	372 372	-3.693 -2.712	4.167 3.713	4.172 4.167	1.00	0.38
MOTA	750	CB	TYR	372	-3.766	5.221	5.278	1.00	0.43
ATOM	751	HB1		372	-4.797	5.391	5.549	1.00	0.46
ATOM	752	HB2		372	-3.326	6.142	4.929	1.00	0.45
ATOM	753	CG	TYR	372	-3.004	4.730	6.483	1.00	0.43
MOTA	754	CD1	TYR	372	-3.630	3.899	7.420	1.00	1.25
MOTA	755		TYR	372	-4.662	3.611	7.282	1.00	2.15
MOTA	756		TYR	372	-1.667	5.103	6.661	1.00	1.32
MOTA	757		TYR	372	-1.185	5.744	5.938	1.00	2.21 1.26
MOTA	758		TYR	372	-2.918	3.442	8.535	1.00	2.15
MOTA MOTA	759 760		TYR TYR	372 372	-3.400 -0.955	2.800 4.647	9.258 7.776	1.00	1.34
MOTA	761	HE2		372	0.077	4.935	7.912	1.00	2.24
ATOM	762	CZ	TYR	372	-1.580	3.816	8.713	1.00	0.51
ATOM	763	ОН	TYR	372	-0.878	3.366	9.812	1.00	0.57
MOTA	764	нн	TYR	372	-1.260	3.771	10.594	1.00	0.96
ATOM	765	C	TYR	372	-4.749	3.094	4.416	1.00	0.38
ATOM	766	0	TYR	372	-4.512	2.119	5.100	1.00	0.39
MOTA	767	N	SER	373	-5.913	3.260	3.848	1.00	0.40
MOTA MOTA	768 769	HN CA	SER SER	373 373	-6.079 -6.978	4.049 2.240	3.290 4.033	1.00	0.42 0.43
ATOM	770	HA	SER	373	-7.177	2.110	5.087	1.00	0.45
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MOTA	771	CB	SER	373	-8.253	2.689	3.317	1.00	0.48
MOTA	772	HB1		373	-8.878	1.828	3.123	1.00	1.00
ATOM	773	HB2		373	-7.997	3.162	2.384	1.00	0.75
MOTA	774	OG	SER	373	-8.948	3.619	4.138	1.00	1.18
ATOM	775	HG	SER	373	-9.193	4.371	3.592	1.00	1.47
MOTA	776	C	SER	373	-6.490	0.921	3.437	1.00	0.41
MOTA	777	ŏ	SER	373	-6.780	-0.145	3.937	1.00	0.44
MOTA	778	й	MET	374	-5.732	0.992	2.377	1.00	0.38
ATOM	779	HN	MET	374	-5.502	1.867	1.999	1.00	0.38
MOTA	780	CA	MET	374	-5.200	-0.249	1.749	1.00	0.36
ATOM	781	HA	MET	374	-5.998	-0.967	1.632	1.00	0.39
ATOM	782	CB	MET	374	-4.614	0.110	0.365	1.00	0.36
MOTA	783		MET	374	-4.139	1.078	0.424	1.00	0.38
ATOM	784		MET	374	-5.416	0.155	-0.356	1.00	0.40
ATOM	785	CG	MET	374	-3.580	-0.932	-0.098	1.00	0.35
MOTA	786		MET	374	-2.719	-0.894	0.553	1.00	0.76
ATOM	787	HG2		374	-3.274	-0.708	-1.109	1.00	0.77
ATOM	788	SD	MET	374	-4.304	-2.589	-0.043	1.00	1.06
MOTA	789	CE	MET	374	-5.776	-2.214	-1.020	1.00	0.38
ATOM	790		MET	374	-5.989	-3.043	-1.679	1.00	1.01
MOTA	791	HE2	MET	374	-5.602	-1.326	~1.606	1.00	1.16
MOTA	792	HE3	MET	374	-6.613	-2.048	-0.356	1.00	1.05
ATOM	793	С	MET	374	-4.116	-0.828	2.666	1.00	0.33
MOTA	794	0	MET	374	-4.136	-1.991	3.018	1.00	0.37
MOTA	795	N	LEU	375	-3.173	~0.017	3.048	1.00	0.31
ATOM	796	HN	LEU	375	-3.183	0.916	2.749	1.00	0.32
ATOM	797	CA	LEU	375	-2.079	-0.496	3.936	1.00	0.32
MOTA	798	HA	LEU	375	-1.630	-1.382	3.512	1.00	0.32
MOTA	799	CB	LEU	375	-1.023	0.611	4.046	1.00	0.33
ATOM	800		LEU	375	-0.468	0.483	4.962	1.00	0.39
MOTA	801		LEU	375	-1.516	1.572	4.060	1.00	0.36
MOTA	802	CG	LEU	375	-0.049	0.556	2.850 3.028	1.00	0.29 0.34
ATOM	803	HG CD1	LEU	375 375	0.693 -0.797	-0.208 0.246	1.545	1.00	0.31
ATOM	804 805	HD11	LEU	375	-1.039	-0.806	1.513	1.00	1.12
ATOM ATOM	806	HD12		375	-0.171	0.497	0.703	1.00	1.00
ATOM	807			375	-1.706	0.827	1.504	1.00	1.03
ATOM	808		LEU	375	0.643	1.912	2.704	1.00	0.32
MOTA	809			375	1.428	1.998	3.439	1.00	0.98
MOTA		HD22	LEU	375	-0.078	2.702	2.852	1.00	1.08
ATOM	811			375	1.067	1.994	1.713	1.00	1.10
ATOM	812	C	LEU	375	-2.648	-0.821	5.319	1.00	0.36
ATOM	813	ŏ	LEU	375	-2.103	-1.619	6.055	1.00	0.40
MOTA	814	N	ALA	376	-3.746	-0.213	5.673	1.00	0.37
MOTA	815	HN	ALA	376	-4.172	0.423	5.061	1.00	0.37
MOTA	816	CA	ALA	376	-4.357	~0.490	7.002	1.00	0.43
MOTA	817	HA	ALA	376	-3.584	-0.758	7.707	1.00	0.46
MOTA	818	CB	ALA	376	-5.088	0.761	7.495	1.00	0.48
MOTA	819	HB1	ALA	376	-5.716	1.146	6.705	1.00	1.09
MOTA	820	HB2	ALA	376	-4.365	1.512	7.778	1.00	1.10
MOTA	821	нв3	ALA	376	-5.698	0.508	8.350	1.00	1.17
MOTA	822	C	ALA	376	-5.350	-1.647	6.867	1.00	0.43
ATOM	823	0	ALA	376	-5.228	-2.666	7.520	1.00	0.46
MOTA	824	N	THR	377	-6.332	-1.499	6.018	1.00	0.42
MOTA	825	HN	THR	377	-6.409	-0.672	5.498	1.00	0.43
MOTA MOTA	826 827	CA HA	THR	377 377	-7.331 -7.907	-2.590 -2.711	5.832 6.737	1.00	0.44 0.48
ATOM	828	CB	THR	377	-7.907 -8.267	-2.711	4.673	1.00	0.46
MOTA	829	НВ	THR	377	-7.690	-2.236 -2.116	3.769	1.00	0.60
MOTA	830	OG1	THR	377	-8.948	-1.025	4.966	1.00	0.73
ATOM	831	HG1	THR	377	-8.501	-0.313	4.502	1.00	0.87
MOTA	832	CG2	THR	377	-9.282	-3.362	4.473	1.00	0.74
MOTA		HG21	THR	377	-9.052	-3.896	3.563	1.00	1.30
ATOM	834	HG22	THR	377	-10.275	-2.943	4.405	1.00	1.28
ATOM	835	HG23	THR	377	-9.234	-4.042	5.311	1.00	1.34
MOTA	836	c	THR	377	-6.603	-3.895	5.510	1.00	0.41
ATOM	837	õ	THR	377	-7.045	-4.968	5.864	1.00	0.46
MOTA	838	N	TRP	378	-5.489	-3.809	4.840	1.00	0.36
MOTA	839	HN	TRP	378	-5.150	-2.932	4.564	1.00	0.35
ATOM	840	CA	TRP	378	-4.730	-5.041	4.495	1.00	0.36
MOTA	841	HA	TRP	378	-5.351	~5.689	3.895	1.00	0.39
MOTA	842	CB	TRP	378	-3.478	-4.657	3.704	1.00	0.34
MOTA	843		TRP	378	-2.856	-4.015	4.309	1.00	0.36
MOTA	844	HB2		378	-3.768	-4.134	2.805	1.00	0.34
MOTA	845	CG	TRP	378	-2.717	-5.890	3.337	1.00	0.36
MOTA	846		TRP	378	-2.033	-6.669	4.207	1.00	0.46
MOTA	847	HDI	TRP	378	-1.951	-6.501	5.271	1.00	0.54

ATOM	848	CD2	TRP	378	-2.547	-6.497	2.023	1.00	0.33
ATOM	849	NE1	TRP	378	-1.455	-7.715	3.510	1.00	0.49
MOTA	850	HE1	TRP	378	-0.906	-8.423	3.907	1.00	0.57
ATOM	851	CE2	TRP	378	-1.743	-7.652	2.162	1.00	0.40
MOTA	852	CE3	TRP	378	-3.008 -3.624	-6.160 -5.283	0.738 0.601	1.00	0.31 0.32
ATOM ATOM	853 854	HE3 CZ2	TRP TRP	378 378	-1.408	-8.446	1.064	1.00	0.41
ATOM	855	HZ2	TRP	378	-0.793	-9.323	1.196	1.00	0.48
ATOM	856	CZ3		378	-2.673	-6.956	-0.369	1.00	0.35
ATOM	857	HZ3		378	-3.033	-6.688	-1.352	1.00	0.39
MOTA	858	CH2	TRP	378	-1.874	-8.097	-0.206	1.00	0.38
MOTA	859	HH2		378	-1.620	-8.705	-1.061	1.00	0.42 0.42
MOTA	860	C	TRP	378 378	-4.325 -4.720	-5.766 -6.888	5.781 6.025	1.00	0.42
MOTA MOTA	861 862	O N	TRP	379	-3.543	-5.132	6.611	1.00	0.45
ATOM	863	HN	ARG	379	-3.237	-4.225	6.400	1.00	0.43
MOTA	864	CA	ARG	379	-3.116	-5.786	7.881	1.00	0.56
MOTA	865	HA	ARG	379	-2.458	-6.612	7.657	1.00	0.60
MOTA	866	CB	ARG	379	-2.378	-4.769	8.753	1.00	0.61
ATOM	867		ARG	379	-3.033	-4.426 -3.928	9.540 8.146	1.00 1.00	1.05 0.93
ATOM ATOM	868 869	CG	ARG ARG	379 379	-2.074 -1.142	-5.425	9.372	1.00	1.20
MOTA	870		ARG	379	-0.455	-5.709	8.590	1.00	1.69
ATOM	871		ARG	379	-1.441	-6.303	9.927	1.00	1.72
ATOM	872	CD	ARG	379	-0.457	-4.433	10.314	1.00	1.28
MOTA	873		ARG	379	-0.446	-3.454	9.859	1.00	1.81
ATOM	874		ARG	379	0.556	-4.755	10.501	1.00	1.54 1.88
MOTA MOTA	875 876	NE HE	ARG ARG	379 379	-1.206 -1.853	-4.375 -5.076	11.600 11.823	1.00 1.00	2.50
MOTA	877	CZ	ARG	379	-1.001	-3.389	12.430	1.00	2.25
ATOM	878		ARG	379	0.175	-2.829	12.501	1.00	2.62
MOTA		HH11	ARG	379	0.920	-3.156	11.920	1.00	2.83
ATOM		нн12		379	0.332	-2.074	13.137	1.00	3.07
MOTA	881		ARG	379	-1.974	-2.962	13.188	1.00	2.89 3.20
MOTA MOTA	883	HH21 HH22		379 379	-2.875 -1.817	-3.390 -2.207	13.133 13.824	1.00	3.36
ATOM	884	C	ARG	379	-4.347	-6.302	8.633	1.00	0.62
ATOM	885	ō	ARG	379	-4.262	-7.219	9.426	1.00	0.72
MOTA	886	N	ARG	380	-5.489	-5.718	8.393	1.00	0.59
ATOM	887	HN	ARG	380	-5.536	-4.976	7.751	1.00	0.52 0.69
ATOM ATOM	888 889	CA HA	ARG ARG	380 380	-6.721 -6.455	-6.174 -6.560	9.097 10.070	1.00	0.03
MOTA	890	СВ	ARG	380	-7.678	-4.993	9.264	1.00	0.76
MOTA	891		ARG	380	-8.600	~5.198	8.740	1.00	1.26
MOTA	892		ARG	380	-7.223	-4.101	8.857	1.00	0.91
ATOM	893	CG	ARG	380	-7.976 -7.119	-4.784 -4.336	10.750 11.229	1.00	1.59 2.10
MOTA MOTA	894 895		ARG ARG	380 380	-8.188	-5.738	11.211	1.00	2.23
ATOM	896	CD	ARG	380	-9.185	-3.860	10.906	1.00	2.04
MOTA	897	HD1	ARG	380	-9.722	-3.809	9.971	1.00	2.37
MOTA	898		ARG	380	-8.850	-2.872	11.183	1.00	2.55
ATOM ATOM	899	NE	ARG	380 380	-10.084 -10.383	-4.396 -5.328	11.967 11.931	1.00	2.53 2.83
MOTA	900 901	HE CZ	ARG ARG	380	-10.473	-3.623	12.943	1.00	3.11
MOTA	902		ARG	380	-10.311	-4.004	14.181	1.00	3.54
MOTA		нн11		380	-9.888	-4.887	14.381	1.00	3.57
MOTA	904	HH12		380	-10.609	-3.411	14.929	1.00	4.10
MOTA MOTA	905	HH21	ARG	380 380	-11.026 -11.152	-2.470 -2.179	12.682 11.734	1.00	3.72 3.88
ATOM	907	HH22		380	-11.324	-1.878	13.431	1.00	4.28
ATOM	908	C	ARG	380	-7.410	-7.275	8.283	1.00	0.67
MOTA	909	0	ARG	380	-7.454	-8.421	8.685	1.00	0.75
MOTA	910	N	ARG	381	-7.955	-6.934	7.147	1.00	0.70
MOTA MOTA	911 912	HN	ARG	381 381	-7.914 -8.652	-6.003 -7.957	6.846 6.314	1.00	0.75 0.80
ATOM	913	CA HA	ARG ARG	381	-9.469	-8.380	6.879	1.00	0.86
MOTA	914	СВ	ARG	381	-9.203	-7.295	5.049	1.00	0.94
MOTA	915	HB1	ARG	381	-8.389	-7.058	4.380	1.00	1.35
ATOM	916		ARG	381	-9.725	-6.387	5.316	1.00	1.19
ATOM	917	CG	ARG	381	-10.169	-8.253	4.351	1.00	1.64
MOTA MOTA	918 919		ARG ARG	381 381	-10.890 -9.616	-8.621 -9.084	5.066 3.937	1.00	2.21 2.31
ATOM	920	CD	ARG	381	-10.900	-7.515	3.229	1.00	1.84
MOTA	921	HD1	ARG	381	-11.038	-8.180	2.390	1.00	2.15
MOTA	922		ARG	381	-10.314	-6.662	2.919	1.00	1.90
MOTA MOTA	923 924	NE HE	ARG	381 381	-12.229 -12.322	-7.052 -6.160	3.720 4.113	1.00	2.80 3.22
434 014	244	112	ARG	301	-12.322	-0.100	3.117	1.00	3.22

MOTA	925	cz	ARG	381	-13.268 -7.836	3.627	1.00	3.46
MOTA	926	NH1	ARG	381	-13.493 -8.493	2.522	1.00	4.06
MOTA	927	HH11	ARG	381	-12.869 -8.396	1.747	1.00	4.12
MOTA	928	HH12	ARG	381	-14.290 -9.093	2.451	1.00	4.71
MOTA	929		ARG	381	-14.082 -7.962	4.639	1.00	3.98
MOTA	930	HH21	ARG	381	-13.910 -7.457	5.486	1.00	4.01
MOTA	931			381	-14.879 -8.562	4.569	1.00	4.63
MOTA	932	-	ARG	381	-7.676 -9.072	5.925	1.00	0.78
MOTA	933		ARG	381	-7.778 -10.186	6.397	1.00	0.88
MOTA	934		THR	382	-6.734 -8.787	5.063	1.00	0.78
MOTA	935		THR	382	-6.668 -7.884	4.690	1.00	0.79
ATOM	936		THR	382	-5.761 -9.841	4.646	1.00	0.86
MOTA	937		THR	382	-6.276 -10.587 -4.652 -9.210	4.062 3.794	1.00	0.93 1.00
MOTA	938		THR	382 382	-4.652 -9.210 -3.689 -9.477	4.202	1.00	1.30
MOTA MOTA	939 940		THR THR	382	-4.792 <i>-</i> 7.796	3.799	1.00	1.82
MOTA	941		THR	382	-5.486 -7.562	3.177	1.00	2.07
MOTA	942			382	-4.751 -9.726	2.358	1.00	0.85
MOTA		HG21		382	-3.761 -9.943	1.984	1.00	1.28
ATOM	944		THR	382	-5.214 -8.973	1.736	1.00	1.45
ATOM	945			382	-5.348 -10.625	2.339	1.00	1.45
ATOM	946		THR	382	-5.143 -10.491	5.895	1.00	0.93
ATOM	947		THR	382	-4.539 -9.813	6.701	1.00	1.11
MOTA	948		PRO	383	-5.318 -11.788	6.025	1.00	1.10
MOTA	949	CA	PRO	383	-4.768 -12.507	7.202	1.00	1.23
ATOM	950		PRO	383	-5.068 -12.024	8.117	1.00	1.37
MOTA	951	CB	PRO	383	-5.404 -13.892	7.109	1.00	1.57
MOTA	952	HB1		383	-6.305 -13.933	7.702	1.00	1.79
ATOM	953		PRO	383	-4.703 -14.649	7.433	1.00	1.68
MOTA	954	CG	PRO	383	-5.735 -14.068	5.663	1.00	1.80
MOTA	955	HG1		383	-6.607 -14.695	5.557	1.00	2.21
MOTA	956		PRO	383	-4.894 -14.508	5.145	1.00	1.98
ATOM	957	CD	PRO	383	-6.026 -12.697	5.111	1.00	1.47
MOTA	958		PRO	383	-5.638 -12.605	4.105	1.00	1.54 1.64
ATOM	959 960	HD1	PRO	383 383	-7.085 -12.494 -3.243 -12.599	5.132 7.112	1.00	1.42
MOTA MOTA	961	C O	PRO PRO	383	-2.700 -13.420	6.400	1.00	1.88
MOTA	962	И	ARG	384	-2.549 -11.761	7.831	1.00	1.85
ATOM	963	HN	ARG	384	-3.008 -11.107	8.399	1.00	2.26
MOTA	964	CA	ARG	384	-1.061 -11.797	7.792	1.00	2.30
MOTA	965	HA	ARG	384	-0.732 -12.770	7.458	1.00	2.77
ATOM	966	СВ	ARG	384	-0.550 -10.725	6.827	1.00	3.43
MOTA	967	HB1	ARG	384	0.519 -10.620	6.938	1.00	3.74
MOTA	968	HB2	ARG	384	-1.030 -9.783	7.049	1.00	3.69
MOTA	969	CG	ARG	. 384	-0.871 -11.137	5.388	1.00	4.37
MOTA	970	HG1	ARG	384	-0.986 -10.253	4.778	1.00	4.65
MOTA	971	HG2	ARG	384	-1.789 -11.707	5.373	1.00	4.55
MOTA	972	CD	ARG	384	0.271 -11.990	4.833	1.00	5.29
ATOM	973		ARG	384	1.111 -11.949	5.509	1.00	5.62
MOTA	974	HD2		384	0.567 -11.610	3.867	1.00	5.43
MOTA	975	NE	ARG	384	-0.185 -13.402	4.692	1.00	6.06
MOTA	976	HE	ARG ARG	384 384	-0.989 -13.609	4.170	1.00	6.11
MOTA MOTA	977 978	CZ	ARG	384	0.487 -14.364 1.790 -14.311	5.264 5.312	1.00	6.93 7.58
MOTA	979			384	2.274 -13.533	4.910	1.00	7.49
MOTA		HH12	ARG	384	2.305 -15.048	5.751	1.00	8.31
MOTA	981		ARG	384	-0.144 -15.379	5.788	1.00	7.38
ATOM		нн21		384	-1.143 -15.420	5.752	1.00	7.11
MOTA		HH22		384	0.371 -16.116	6.227	1.00	8.15
MOTA	984	С	ARG	384	-0.514 -11.526	9.195	1.00	1.73
MOTA	985	0	ARG	384	-1.260 -11.365	10.140	1.00	2.21
MOTA	986	N	ARG	385	0.781 -11.476	9.342	1.00	1.68
MOTA		HN	ARG	385	1.369 -11.610	8.569	1.00	2.10
MOTA	987				1.365 -11.218			2.09
MOTA	988	CA	ARG	385		10.688	1.00	
	988 989	CA HA	ARG	385	0.571 -11.017	11.391	1.00	2.63
MOTA	988 989 990	CA HA CB	ARG ARG	385 385	0.571 -11.017 2.152 -12.447	11.391 11.146	1.00 1.00	2.63 3.06
MOTA	988 989 990 991	CA HA CB HB1	ARG ARG ARG	385 385 385	0.571 -11.017 2.152 -12.447 2.872 -12.155	11.391 11.146 11.896	1.00 1.00 1.00	2.63 3.06 3.55
MOTA MOTA	988 989 990 991 992	CA HA CB HB1 HB2	ARG ARG ARG ARG	385 385 385 385	0.571 -11.017 2.152 -12.447 2.872 -12.155 2.666 -12.881	11.391 11.146 11.896 10.301	1.00 1.00 1.00 1.00	2.63 3.06 3.55 3.42
MOTA MOTA MOTA	988 989 990 991 992 993	CA HA CB HB1 HB2 CG	ARG ARG ARG ARG ARG	385 385 385 385 385	0.571 -11.017 2.152 -12.447 2.872 -12.155 2.666 -12.881 1.189 -13.476	11.391 11.146 11.896 10.301 11.741	1.00 1.00 1.00 1.00	2.63 3.06 3.55 3.42 3.71
MOTA MOTA MOTA MOTA	988 989 990 991 992 993	CA HA CB HB1 HB2 CG HG1	ARG ARG ARG ARG ARG ARG	385 385 385 385 385 385	0.571 -11.017 2.152 -12.447 2.872 -12.155 2.666 -12.881 1.189 -13.476 0.884 -14.170	11.391 11.146 11.896 10.301 11.741 10.972	1.00 1.00 1.00 1.00 1.00	2.63 3.06 3.55 3.42 3.71 3.74
MOTA MOTA MOTA MOTA	988 989 990 991 992 993 994	CA HA CB HB1 HB2 CG HG1 HG2	ARG ARG ARG ARG ARG ARG ARG	385 385 385 385 385 385 385	0.571 -11.017 2.152 -12.447 2.872 -12.155 2.666 -12.881 1.189 -13.476 0.884 -14.170 0.320 -12.969	11.391 11.146 11.896 10.301 11.741 10.972 12.136	1.00 1.00 1.00 1.00 1.00 1.00	2.63 3.06 3.55 3.42 3.71 3.74 3.90
MOTA MOTA MOTA MOTA MOTA MOTA	988 989 990 991 992 993 994 995	CA HA CB HB1 HB2 CG HG1 HG2 CD	ARG ARG ARG ARG ARG ARG ARG	385 385 385 385 385 385 385 385	0.571 -11.017 2.152 -12.447 2.872 -12.155 2.666 -12.881 1.189 -13.476 0.884 -14.170 0.320 -12.969 1.889 -14.242	11.391 11.146 11.896 10.301 11.741 10.972 12.136 12.866	1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.63 3.06 3.55 3.42 3.71 3.74 3.90 4.81
MOTA MOTA MOTA MOTA MOTA MOTA	988 989 990 991 992 993 994 995 996	CA HA CB HB1 HB2 CG HG1 HG2 CD HD1	ARG ARG ARG ARG ARG ARG ARG ARG	385 385 385 385 385 385 385 385 385	0.571 -11.017 2.152 -12.447 2.872 -12.155 2.666 -12.881 1.189 -13.476 0.884 -14.170 0.320 -12.969 1.889 -14.242 1.547 -13.871	11.391 11.146 11.896 10.301 11.741 10.972 12.136 12.866 13.821	1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.63 3.06 3.55 3.42 3.71 3.74 3.90 4.81 5.22
MOTA MOTA MOTA MOTA MOTA MOTA MOTA	988 989 990 991 992 993 994 995 996	CA HA CB HB1 HB2 CG HG1 HG2 CD HD1 HD2	ARG ARG ARG ARG ARG ARG ARG ARG ARG	385 385 385 385 385 385 385 385 385	0.571 -11.017 2.152 -12.447 2.872 -12.155 2.666 -12.881 1.189 -13.476 0.884 -14.170 0.320 -12.969 1.889 -14.242 1.547 -13.871 2.956 -14.101	11.391 11.146 11.896 10.301 11.741 10.972 12.136 12.866 13.821 12.787	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.63 3.06 3.55 3.42 3.71 3.74 3.90 4.81 5.22 5.16
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	988 989 990 991 992 993 994 995 997 998	CA HA CB HB1 HB2 CG HG1 HG2 CD HD1 HD2 NE	ARG ARG ARG ARG ARG ARG ARG ARG ARG	385 385 385 385 385 385 385 385 385 385	0.571 -11.017 2.152 -12.447 2.872 -12.155 2.666 -12.881 1.189 -13.476 0.884 -14.170 0.320 -12.969 1.889 -14.242 1.547 -13.871 2.956 -14.101 1.568 -15.693	11.391 11.146 11.896 10.301 11.741 10.972 12.136 12.866 13.821 12.787 12.752	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.63 3.06 3.55 3.42 3.71 3.74 3.90 4.81 5.22 5.16 5.34
MOTA MOTA MOTA MOTA MOTA MOTA MOTA	988 989 990 991 992 993 994 995 996	CA HA CB HB1 HB2 CG HG1 HG2 CD HD1 HD2	ARG ARG ARG ARG ARG ARG ARG ARG ARG	385 385 385 385 385 385 385 385 385	0.571 -11.017 2.152 -12.447 2.872 -12.155 2.666 -12.881 1.189 -13.476 0.884 -14.170 0.320 -12.969 1.889 -14.242 1.547 -13.871 2.956 -14.101	11.391 11.146 11.896 10.301 11.741 10.972 12.136 12.866 13.821 12.787	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.63 3.06 3.55 3.42 3.71 3.74 3.90 4.81 5.22 5.16

MOTA	1002	NH1	ARG	385	2.062 -16.9	04 10.909	1.00 6.85
ATOM		HH11		385	1.205 -16.6		1.00 6.65
ATOM	1004	HH12	ARG	385	2.679 -17.5		1.00 7.64
MOTA	1005	NH2	ARG	385	3.491 -16.8		1.00 6.90
MOTA		HH21		385	3.728 -16.5		1.00 6.75
ATOM	1007 1008			385	4.110 -17.40 2.301 -10.00		1.00 7.68 1.00 1.75
MOTA MOTA	1009	C O	ARG ARG	385 385	1.934 -8.9		1.00 2.29
ATOM	1010	N	GLU	386	3.509 -10.2		1.00 1.72
ATOM	1011	HN	GLU	386	3.785 -11.1	09 9.893	1.00 2.03
MOTA	1012	CA	GLU	386	4.469 -9.0		1.00 2.15
MOTA	1013	HA	GLU	386	3.947 -8.1		1.00 2.64
MOTA	1014	CB	GLU	386	5.568 -9.25 6.296 -8.46		1.00 3.20 1.00 3.64
MOTA MOTA	1015 1016		GLU GLU	386 386	6.296 -8.46 6.049 -10.2		1.00 3.43
ATOM	1017	CG	GLU	386	4.952 -9.1		1.00 4.00
MOTA	1018		GLU	386	3.878 -9.1		1.00 4.00
ATOM	1019		GLU	386	5.328 -8.3		1.00 4.22
MOTA	1020	CD	GLU	386	5.324 -10.4		1.00 5.05
MOTA	1021		GLU	386	5.062 -11.5		1.00 5.61 1.00 5.55
MOTA MOTA	1022 1023	C C	GLU GLU	386 386	5.863 -10.33 5.094 -9.0		1.00 5.55 1.00 1.56
ATOM	1023	Ö	GLU	386	6.196 -8.5		1.00 2.12
ATOM	1025	N	ALA	387	4.400 -9.50		1.00 1.11
MOTA	1026	HN	ALA	387	3.514 -9.9		1.00 1.61
MOTA	1027	CA	ALA	387	4.956 -9.5		1.00 0.92
ATOM	1028	HA	ALA	387	5.998 -9.20		1.00 1.12
ATOM	1029	CB	ALA	387 387	4.827 -10.9° 3.867 -11.0°		1.00 1.44 1.00 1.84
MOTA MOTA	1030 1031	HB2	ALA ALA	387	4.908 -11.7		1.00 2.02
ATOM	1032	нвз	ALA	387	5.614 -11.1		1.00 1.84
ATOM	1033	C	ALA	387	4.183 -8.5		1.00 0.77
ATOM	1034	0	ALA	387	4.175 -8.6		1.00 0.70
MOTA	1035	N	THR	388	3.534 -7.63		1.00 0.76
MOTA	1036	HN	THR	388	3.552 -7.54 2.767 -6.6		1.00 0.83 1.00 0.68
MOTA MOTA	1037 1038	CA HA	THR THR	388 388	2.767 -6.63 1.959 -7.13		1.00 0.00
MOTA	1039	CB	THR	388	2.195 ~5.5		1.00 0.78
MOTA	1040	HB	THR	388	2.773 -4.63		1.00 1.34
MOTA	1041	OG1	THR	388	2.253 -6.03		1.00 1.54
MOTA	1042	HG1	THR	388	1.699 -5.44		1.00 1.90
MOTA	1043	CG2	THR	388	0.742 -5.25 0.491 -4.24		1.00 1.16 1.00 1.67
ATOM ATOM	1044	HG21 HG22	THR THR	388 388	0.491 -4.24 0.090 -5.94		1.00 1.07
MOTA	1046	HG23	THR	388	0.618 -5.3		1.00 1.78
MOTA	1047	C	THR	388	3.700 -5.90		1.00 0.54
MOTA	1048	0	THR	388	3.564 -6.14		1.00 0.50
MOTA	1049	N	LEU	389	4.653 -5.19		1.00 0.52
MOTA	1050	HN	LEU	389	4.749 -5.09		1.00 0.59 1.00 0.46
ATOM ATOM	1051 1052	CA HA	LEU	389 389	5.600 -4.53 5.064 -3.83		1.00 0.46 1.00 0.44
MOTA	1053	CB	LEU	389	6.692 -3.83		1.00 0.52
MOTA	1054	HB1	LEU	389	7.238 -4.5	41 5.145	1.00 0.87
MOTA	1055		LEU	389	6.240 -3.09		1.00 0.98
MOTA	1056	CG	LEU	389	7.654 -3.13		1.00 0.62
MOTA MOTA	1057 1058	HG CD1	LEU LEU	389 389	7.889 -3.7° 7.001 -1.84		1.00 1.22 1.00 1.13
MOTA		HD11		389	7.690 -1.03		1.00 1.65
ATOM		HD12		389	6.105 -1.6		1.00 1.62
MOTA	1061	HD13	LEU	389	6.747 -1.98	36 2.013	1.00 1.72
MOTA	1062		LEU	389	8.938 -2.7		1.00 1.15
MOTA		HD21		389	8.712 -2.5		1.00 1.68
MOTA		HD22	LEU	389	9.360 -1.85 9.648 -3.55		1.00 1.74 1.00 1.62
MOTA MOTA	1065 1066	HD23	LEU	389 389	9.648 -3.55 6.240 -5.58		1.00 1.62 1.00 0.45
ATOM	1067	Ö	LEU	389	6.573 -5.32		1.00 0.43
MOTA	1068	Ŋ	GLU	390	6.412 -6.78	33 3.353	1.00 0.50
MOTA	1069	HN	GLU	390	6.134 -6.9	75 4.273	1.00 0.54
MOTA	1070	CA	GLU	390	7.027 -7.89		1.00 0.53
MOTA	1071	HA	GLU	390	8.054 -7.60		1.00 0.56
MOTA MOTA	1072 1073	CB HB1	GLU GLU	390 390	6.983 -9.18 6.023 -9.69		1.00 0.63 1.00 0.99
MOTA	1074	HB2	GLU	390	7.133 -8.99		1.00 0.99
ATOM	1075	CG	GLU	390	8.086 -10.13		1.00 1.11
MOTA	1076	HG1	GLU	390	8.922 -9.52	21 2.430	1.00 1.76
MOTA	1077	HG2	GLU	390	7.704 -10.70	1.955	1.00 1.71
MOTA	1078	CD	GLU	390	8.547 -11.03	34 3.902	1.00 1.45

MOTA	1079	OE1	GLU	390	8.935	-12.152	3.606	1.00	1.95
ATOM	1080	OE2	GLU	390	8.505	-10.607	5.044	1.00	2.14
	1081			390	6.245		1.215	1.00	0.46
ATOM		c	GLU						0.46
MOTA	1082	0	GLU	390	6.763		0.142	1.00	
ATOM	1083	N	LEU	391	4.995	-8.361	1.297	1.00	0.44
MOTA	1084	HN	LEU	391	4.591	-8.539	2.172	1.00	0.48
ATOM	1085	CA	LEU	391	4.181		0.058	1.00	0.41
								1.00	0.43
MOTA	1086	HA	LEU	391	4.603		-0.572		
ATOM	1087	CB	LEU	391	2.743	-8.865	0.428	1.00	0.45
MOTA	1088	HB1	LEU	391	2.265	-8.022	0.903	1.00	0.49
ATOM	1089		LEU	391	2.751		1.108	1.00	0.47
	1090			391	1.972		-0.838	1.00	0.47
ATOM		CG	LEU						0.76
MOTA	1091	HG	LEU	391	2.668		-1.602	1.00	
MOTA	1092	CD1	LEU	391	1.005	-10.383	-0.531	1.00	1.11
MOTA	1093	HD11	LEU	391	0.001	-9.994	-0.452	1.00	1.62
ATOM		HD12		391	1.284		0.402	1.00	1.81
					1.047		-1.326	1.00	1.44
MOTA		HD13	LEU	391					
MOTA	1096	CD2	LEU	391	1.185		-1.328	1.00	0.85
ATOM	1097	HD21	LEU	391	0.518	-7.688	-0.547	1.00	1.46
ATOM	1098	HD22	LEU	391	0.610	-8.295	-2.199	1.00	1.50
ATOM	1099	HD23	LEU	391	1.870		-1.582	1.00	1.36
							-0.686	1.00	0.35
MOTA	1100	C	LEU	391	4.194				
ATOM	1101	0	LEU	391	4.257	-7.110	-1.898	1.00	0.34
MOTA	1102	N	LEU	392	4.149	-6.073	0.038	1.00	0.33
MOTA	1103	HN	LEU	392	4.109	-6.138	1.015	1.00	0.36
ATOM	1104	CA	LEU	392	4.175	-4.736	-0.617	1.00	0.30
							-1.341	1.00	0.30
ATOM	1105	HA	LEU	392	3.376				
MOTA	1106	СВ	LEU	392	4.007	-3.646	0.445	1.00	0.31
MOTA	1107	HB1	LEU	392	4.383	-2.709	0.066	1.00	0.30
ATOM	1108	HB2	LEU	392	4.562	-3.923	1.326	1.00	0.35
ATOM	1109	CG	LEU	392	2.527	-3.490	0.807	1.00	0.33
						-4.321			0.41
ATOM	1110	HG	LEU	392	1.967		0.404	1.00	
ATOM	1111	CD1	LEU	392	2.380	-3.464	2.329	1.00	0.45
ATOM	1112	HD11	LEU	392	3.283	-3.068	2.770	1.00	1.16
ATOM	1113	HD12	LEU	392	2.211	-4.467	2.691	1.00	1.11
ATOM	1114	HD13		392	1.543	-2.837	2.599	1.00	1.10
									0.28
MOTA	1115		LEU	392	1.990	-2.177	0.227	1.00	
ATOM	1116	HD21	LEU	392	0.990	-2.003	0.596	1.00	1.06
ATOM	1117	HD22	LEU	392	1.970	-2.239	-0.851	1.00	1.01
ATOM	1118	HD23		392	2.631	-1.361	0.528	1.00	1.01
ATOM	1119	C	LEU	392	5.524	-4.555	-1.317	1.00	0.29
ATOM	1120	0	LEU	392	5.638	-3.856	-2.304	1.00	0.30
MOTA	1121	N	GLY	393	6.550	-5.182	-0.805	1.00	0.31
ATOM	1122	HN	GLY	393	6.433	-5.738	-0.007	1.00	0.32
ATOM	1123	CA	GLY	393	7.898	-5.053	-1.428	1.00	0.33
MOTA	1124	HA1	GLY	393	8.629	-5.549	-0.808	1.00	0.37
							-1.519	1.00	0.33
MOTA	1125	HA2	GLY	393	8.154	-4.007			
ATOM	1126	С	GLY	393	7.891	-5.700	-2.813	1.00	0.34
ATOM	1127	0	GLY	393	8.163	-5.059	-3.808	1.00	0.34
ATOM	1128	N	ARG	394	7.579	-6.965	-2.892	1.00	0.36
ATOM	1129	HN	ARG	394	7.359	-7.469	-2.080	1.00	0.37
ATOM	1130	CA	ARG	394	7.553	-7.641	-4.222	1.00	0.39
									0.42
MOTA	1131	HA	ARG	394	8.555	-7.683	-4.625	1.00	
ATOM	1132	CB	ARG	394	7.003	-9.060	-4.066	1.00	0.42
MOTA	1133	HB1	ARG	394	6.227	-9.228	-4.798	1.00	0.92
ATOM	1134	HB2	ARG	394	6.594	-9.179	-3.073	1.00	1.01
ATOM	1135	CG	ARG	394	8.130	-10.072	-4.280	1.00	1.21
ATOM								1.00	1.76
	1136		ARG	394	8.683	-10.194	-3.361		
ATOM	1137	HG2	ARG	394	8.793	-9.714	-5.054	1.00	1.89
MOTA	1138	CD	ARG	394	7.535	-11.418	-4.697	1.00	1.42
ATOM	1139	HD1	ARG	394	8.232	-11.935	-5.341	1.00	1.92
MOTA	1140		ARG	394		-11.254	-5.227	1.00	1.64
								1.00	2.11
MOTA	1141	NE	ARG	394	7.274		-3.484		
MOTA	1142	HE	ARG	394	7.059		-2.632	1.00	2.52
MOTA	1143	CZ	ARG	394	7.331		-3.555	1.00	2.76
ATOM	1144	NH1		394	7.764		-2.536	1.00	3.24
MOTA			ARG	394	8.051		-1.700	1.00	3.28
ATOM		HH12		394	7.808		-2.591	1.00	3.88
ATOM	1147	NH2		394	6.956		-4.646	1.00	3.46
MOTA	1148	HH21	ARG	394	6.624	~13.625	-5.426	1.00	3.60
ATOM	1149		ARG	394	7.000		-4.701	1.00	4.12
MOTA	1150	c	ARG	394	6.654	-6.846	-5.170	1.00	0.36
MOTA	1151	0	ARG	394	6.957	-6.667	-6.334	1.00	0.38
ATOM	1152	N	VAL	395	5.553	-6.358	-4.671	1.00	0.33
ATOM	1153	HN	VAL	395	5.335	-6.508	-3.728	1.00	0.32
MOTA	1154	CA	VAL	395	4.634	-5.564	-5.528	1.00	0.33
MOTA	1155	HA	VAL	395	4.353	-6.145	-6.394	1.00	0.37
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MOTA	1156	CB	VAL	395	3.384	-5.204	-4.725	1.00	0.32
MOTA	1157	HB	VAL	395	3.666	-4.607	-3.870	1.00	0.29
MOTA	1158	CG1		395	2.417	-4.411	-5.606	1.00	0.36
		HG11		395	2.979	-3.803	-6.300	1.00	0.97
MOTA									
ATOM	1160	HG12	VAL	395	1.803	-3.775	-4.985	1.00	1.08
MOTA	1161	HG13	VAL	395	1.787	-5.095	-6.155	1.00	1.17
MOTA	1162	CG2	VAL	395	2.704	-6.489	-4.247	1.00	0.35
MOTA	1163	HG21	VAL	395	2.051	-6.861	-5.023	1.00	1.13
							-3.359	1.00	1.00
MOTA		HG22		395	2.126	-6.281			
MOTA	1165	HG23	VAL	395	3.455	-7.231	-4.022	1.00	1.08
MOTA	1166	С	VAL	395	5.349	-4.289	-5.976	1.00	0.31
MOTA	1167	ō	VAL	395	5.053	-3.728	-7.012	1.00	0.34
				396	6.299	-3.833	-5.204	1.00	0.28
MOTA	1168	N	LEU						
MOTA	1169	HN	LEU	396	6.526	~4.307	-4.376	1.00	0.27
MOTA	1170	CA	LEU	396	7.046	-2.602	~5.584	1.00	0.28
MOTA	1171	HA	LEU	396	6.355	-1.851	-5.937	1.00	0.29
MOTA	1172	CB	LEU	396	7.812	-2.069	-4.371	1.00	0.26
				396	8.578	-1.385	-4.702	1.00	0.27
MOTA	1173		LEU						
MOTA	1174	HB2	LEU	396	8.271	-2.892	-3.845	1.00	0.28
ATOM	1175	CG	LEU	396	6.852	-1.339	-3.431	1.00	0.25
ATOM	1176	HG	LEU	396	5.961	-1.934	-3.293	1.00	0.27
ATOM	1177		LEU	396	7.533	-1.116	-2.081	1.00	0.27
								1.00	0.89
MOTA		HD11		396	7.377	-0.096	-1.763		
MOTA		HD12		396	8.592	-1.305	-2.177	1.00	1.01
ATOM	1180	HD13	LEU	396	7.112	-1.790	-1.350	1.00	0.97
ATOM	1181		LEU	396	6.477	0.014	-4.036	1.00	0.27
					7.257	0.731	-3.826	1.00	0.97
MOTA	1182	HD21		396					
MOTA	1183	HD22		396	5.549	0.355	-3.603	1.00	1.11
ATOM	1184	HD23	LEU	396	6.361	-0.089	-5.103	1.00	0.99
MOTA	1185	C	LEU	396	8.042	-2.946	-6.692	1.00	0.32
ATOM	1186	õ	LEU	396	8.150	-2.253	-7.684	1.00	0.34
					8.772	-4.017	-6.526	1.00	0.34
MOTA	1187	N	ARG	397					
ATOM	1188	HN	ARG	397	8.666	-4.557	-5.715	1.00	0.34
ATOM	1189	CA	ARG	397	9.768	-4.420	-7.561	1.00	0.40
MOTA	1190	HA	ARG	397	10.582	-3.710	-7.573	1.00	0.41
ATOM	1191	СВ	ARG	397	10.311	-5.811	-7.228	1.00	0.46
MOTA	1192		ARG	397	10.691	-6.274	-8.127	1.00	0.88
ATOM	1193	HB2	ARG	397	9.517	-6.418	-6.818	1.00	0.90
ATOM	1194	CG	ARG	397	11.440	-5.687	-6.204	1.00	1.21
MOTA	1195		ARG	397	11.190	-4.923	-5.483	1.00	1.73
				397	12.357	-5.419	-6.709	1.00	1.81
ATOM	1196		ARG						
MOTA	1197	CD	ARG	397	11.626	-7.024	-5.483	1.00	1.32
ATOM	1198	HD1	ARG	397	10.791	-7.672	-5.705	1.00	1.65
MOTA	1199	HD2	ARG	397	11.676	-6.854	-4.418	1.00	1.83
ATOM	1200	NE	ARG	397	12.889	-7.666	-5.943	1.00	1.97
					13.550	-7.144	-6.443	1.00	2.54
ATOM	1201	HÈ	ARG	397					
MOTA	1202	CZ	ARG	397	13.114	-8.924	-5.679	1.00	2.26
ATOM	1203	NH1	ARG	397	12.165	-9.805	-5.842	1.00	2.65
ATOM	1204	HH11	ARG	397	11.265	-9.516	-6.168	1.00	3.00
MOTA	1205	нн12		397	12.338	-10.769	-5.640	1.00	2.88
ATOM	1206		ARG	397	14.289	-9.301	-5.253	1.00	2.68
ATOM	1207	HH21		397	15.016	-8.626	-5.129	1.00	3.03
MOTA	1208	HH22	ARG	397	14.461	-10.265	-5.051	1.00	2.94
ATOM	1209	C	ARG	397	9.100	-4.450	-8.938	1.00	0.43
MOTA	1210	0	ARG	397	9.626	-3.935	-9.904	1.00	0.46
MOTA	1211	N	ASP	398	7.941	-5.046	-9.035	1.00	0.45
MOTA	1212	HN	ASP	398	7.530	-5.454	-8.242	1.00	0.44
MOTA	1213	CA	ASP	398	7.242	-5.101	-10.351	1.00	0.51
MOTA	1214	AH	ASP	398	7.815	-5.706	-11.039	1.00	0.57
ATOM	1215	CB	ASP	398	5.853	-5.715	-10.165	1.00	0.56
ATOM	1216		ASP	398	5.241		-11.026	1.00	1.02
MOTA	1217		ASP	398	5.394	-5.303	-9.278	1.00	0.99
MOTA	1218	CG	ASP	398	5.978	-7.233	-10.018	1.00	1.21
MOTA	1219	OD1	ASP	398	5.076	-7.829	-9.454	1.00	1.79
MOTA	1220		ASP	398	6.974	-7.772	-10.472	1.00	2.00
ATOM		C		398	7.103		-10.912	1.00	0.49
	1221		ASP						
MOTA	1222	0	ASP	398	7.243		-12.097	1.00	0.54
MOTA	1223	N	MET	399	6.833	-2.728	-10.064	1.00	0.45
MOTA	1224	HN	MET	399	6.728	-2.936	-9.112	1.00	0.43
ATOM	1225	CA	MET	399	6.687	-1.322	-10.538	1.00	0.48
MOTA	1226	HA	MET	399	6.314		-11.550	1.00	0.55
MOTA	1227	CB	MET	399	5.700	-0.586	-9.636	1.00	0.51
MOTA	1228	HB1	MET	399	5.519	0.401	-10.031	1.00	0.86
MOTA	1229	HB2		399	6.113	-0.507	-8.640	1.00	1.11
ATOM	1230	CG	MET	399	4.385	-1.363	-9.585	1.00	1.30
ATOM	1231	HG1		399	4.593	-2.415	-9.458	1.00	2.02
MOTA	1232	HG2	MET	399	3.841	-1.212	-10.505	1.00	1.97

ATOM

1233 SD MET

399

ATOM	1233	SD	MET	399	3.394	-0.//3	-0.193	1.00	0.65
ATOM	1234	CE	MET	399	3.224 3.734	0.938	-8.751 -9.696	1.00	1.39
MOTA	1235		MET	399 399	3.734	1.060	-8.021	1.00	1.20
MOTA MOTA	1236 1237		MET	399	2.176	1.174	-8.868	1.00	1.17
ATOM	1238	C	MET	399	8.045		-10.489	1.00	0.43
ATOM	1239	Ö	MET	399	8.121		-10.545	1.00	0.46
MOTA	1240	N	ASP	400	9.118		-10.384	1.00	0.40
ATOM	1241	HN	ASP	400	9.042		-10.339	1.00	0.41
MOTA	1242	CA	ASP	400	10.459		-10.330	1.00	0.40
ATOM	1243	HA	ASP	400	11.219		-10.206	1.00	0.41
ATOM	1244	СВ	ASP	400	10.710		-11.630	1.00	0.47
MOTA	1245		ASP	400	11.672	0.548	-11.581	1.00	0.73
ATOM	1246		ASP	400	9.937	0.804	-11.764	1.00	0.88
MOTA	1247	CG	ASP	400	10.693	-0.912	-12.810	1.00	
ATOM	1248	OD1	ASP	400	11.672		-13.537	1.00	1.34
MOTA	1249	OD2	ASP	400	9.701		-12.966	1.00	1.85
MOTA	1250	С	ASP	400	10.510	0.267	-9.149	1.00	0.36
MOTA	1251	0	ASP	400	11.188	1.274	-9.193	1.00	0.37
MOTA	1252	N	LEU	401	9.800	-0.024	-8.094	1.00	0.34
ATOM	1253	HN	LEU	401	9.258	-0.841	-8.075	1.00	0.35
ATOM	1254	CA	LEU	401	9.813	0.890	-6.917	1.00	0.33 0.36
MOTA	1255	HA OD	LEU	401	10.077	1.886 0.917	-7.240 -6.271	1.00	0.33
ATOM	1256	CB	LEU	401	8.428 8.523	1.189	-5.230	1.00	0.36
MOTA	1257 1258		LEU	401 401	7.975	-0.059	-6.348	1.00	0.36
ATOM ATOM	1259	CG	LEU	401	7.556	1.946	-6.985	1.00	0.47
MOTA	1260	HG	LEU	401	7.856	2.015	-8.021	1.00	0.91
MOTA	1261		LEU	401	6.091	1.517	-6.906	1.00	0.70
ATOM		HD11		401	5.548	1.935	-7.740	1.00	1.17
ATOM		HD12		401	5.661	1.873	-5.981	1.00	1.23
ATOM		HD13		401	6.029	0.439	-6.940	1.00	1.25
MOTA	1265	CD2	LEU	401	7.726	3.307	-6.309	1.00	0.82
ATOM	1266	HD21		401	7.166	4.053	-6.854	1.00	1.42
MOTA	1267	HD22		401	8.772	3.576	-6.301	1.00	1.46
ATOM	1268	HD23		401	7.361	3.253	-5.294	1.00	1.31
ATOM	1269	C	LEU	401	10.837	0.400	-5.894	1.00	0.33
ATOM	1270	0	LEU	401	10.785	0.757	-4.733	1.00	0.31 0.39
ATOM	1271	N	LEU	402	11.773	-0.411 -0.688	-6.308 -7.248	1.00	0.42
ATOM ATOM	1272 1273	HN CA	LEU	402 402	11.804 12.796	-0.912	-5.349	1.00	0.45
MOTA	1274	HA	LEU	402	12.320	-1.532	-4.602	1.00	0.44
ATOM	1275	CB	LEU	402	13.846	-1.730	-6.101	1.00	0.55
ATOM	1276		LEU	402	14.518	-1.064	-6.621	1.00	0.93
MOTA	1277		LEU	402	13.354	-2.377	-6.814	1.00	1.19
ATOM	1278	CG	LEU	402	14.639	-2.576	-5.106	1.00	1.14
MOTA	1279	HG	LEU	402	14.834	-1.995	-4.216	1.00	1.96
MOTA	1280		LEU	402	13.828	-3.819	-4.736	1.00	1.69
ATOM		HD11		402	14.473	-4.685	-4.746	1.00	2.17
MOTA		HD12		402	13.031	~3.955	-5.452	1.00	2.06
MOTA		HD13		402	13.408	-3.694	-3.749 -5.743	1.00	2.23 1.59
MOTA	1284	HD21	LEU	402 402	15.963 15.922	-3.001 -2.826	-6.808	1.00	2.21
MOTA MOTA		HD22		402	16.131	-4.052	-5.557	1.00	1.82
MOTA		HD23		402	16.770	-2.426	-5.315	1.00	2.16
ATOM	1288	C	LEU	402	13.468	0.280	-4.666	1.00	0.45
ATOM	1289	ō	LEU	402	13.894	0.201	-3.531	.1.00	0.47
MOTA	1290	N	GLY	403	13.550	1.392	-5.346	1.00	0.46
ATOM	1291	HN	GLY	403	13.187	1.439	-6.256	1.00	0.46
MOTA	1292	CA	GLY	403	14.176	2.594	-4.729	1.00	0.50
ATOM	1293	HA1	GLY	403	14.315	3.357	-5.479		0.55
MOTA	1294	HA2	GLY	403	15.131	2.325	-4.299	1.00	0.56
ATOM	1295	С	GLY	403	13.245	3.117	-3.638	1.00	0.43
ATOM	1296	0	GLY	403	13.673	3.703	-2.664	1.00	0.46
MOTA	1297	N	CYS	404	11.969	2.896	-3.797	1.00	0.37
MOTA	1298	HN	CYS	404	11.651	2.415	-4.589	1.00	0.37 0.33
MOTA	1299	CA	CYS	404	10.995	3.363	-2.775	1.00	0.33
MOTA MOTA	1300 1301	HA	CYS	404 404	11.229 9.584	4.377	-2.488 -3.361	1.00	0.33
MOTA	1301	CB HB1	CYS	404	9.364 8.876	3.083	-2.578	1.00	0.64
ATOM	1302		CYS	404	9.538	2.543	-4.121	1.00	0.55
MOTA	1304	SG	CYS	404	9.180	4.914	-4.097	1.00	0.80
MOTA	1305	HG	CYS	404	8.241	5.070	-3.972	1.00	1.29
ATOM	1306	c	CYS	404	11.081	2.456	-1.550	1.00	0.28
MOTA	1307	ō	CYS	404	10.943	2.900	-0.427	1.00	0.27
MOTA	1308	N	LEU	405	11.320	1.188	-1.750	1.00	0.27
MOTA	1309	HN	LEU	405	11.437	0.847	-2.661	1.00	0.29

3.394 -0.773 -8.193 1.00 1.54

ATOM	1310	CA	LEU	405	11.425	0.269	-0.586	1.00	0.25
ATOM	1311	HA	LEU	405	10.552	0.380	0.038	1.00	0.25
ATOM	1312	CB	LEU	405	11.533	-1.180	-1.067	1.00	0.28
ATOM	1313		LEU	405	12.569	-1.425	-1.241	1.00	0.32
	1314	HB2		405	10.975	-1.297	-1.985	1.00	0.28
MOTA				405	10.961	-2.118	0.001	1.00	0.33
MOTA	1315	CG	LEU	405	11.078	-3.143	-0.321	1.00	0.97
MOTA	1316	HG	LEU			-1.912	1.321	1.00	1.12
ATOM	1317		LEU	405	11.708			1.00	1.80
MOTA	1318			405	12.739	-1.664	1.117		
MOTA	1319			405	11.663	-2.818	1.906	1.00	1.60
MOTA	1320			405	11.247	-1.105	1.873	1.00	1.61
MOTA	1321		LEU	405	9.475	-1.813	0.208	1.00	1.02
MOTA		HD21		405	8.884	-2.645	-0.144	1.00	1.72
MOTA		HD22		405	9.209	-0.925	-0.343	1.00	1.62
MOTA		HD23		405	9.283	-1.655	1.259	1.00	1.44
MOTA	1325	С	LEU	405	12.668	0.638	0.218	1.00	0.27
MOTA	1326	0	LEU	405	12.673	0.578	1.429	1.00	0.27
MOTA	1327	N	GLU	406	13.719	1.037	-0.442	1.00	0.32
ATOM	1328	HN	GLU	406	13.695	1.093	-1.421	1.00	0.33
MOTA	1329	CA	GLU	406	14.946	1.430	0.299	1.00	0.35
MOTA	1330	HA	GLU	406	15.267	0.615	0.933	1.00	0.36
MOTA	1331	CB	GLU	406	16.055	1.785	-0.694	1.00	0.42
MOTA	1332	HB1	GLU	406	16.546	2.692	-0.376	1.00	1.01
MOTA	1333	HB2	GLU	406	15.625	1.933	-1.675	1.00	0.87
MOTA	1334	CG	GLU	406	17.076	0.647	-0.751	1.00	1.18
MOTA	1335	HG1	GLU	406	16.571	-0.277	-0.988	1.00	1.67
MOTA	1336	HG2	GLU	406	17.565	0.556	0.208	1.00	1.75
MOTA	1337	CD	GLU	406	18.117	0.949	-1.830	1.00	1.21
MOTA	1338	OE1	GLU	406	18.351	2.117	-2.089	1.00	1.59
MOTA	1339	OE2	GLU	406	18.662	0.005	-2.379	1.00	1.61
MOTA	1340	С	GLU	406	14.613	2.647	1.158	1.00	0.34
MOTA	1341	0	GLU	406	14.937	2.705	2.328	1.00	0.35
ATOM	1342	N	ASP	407	13.945	3.613	0.588	1.00	0.33
ATOM	1343	HN	ASP	407	13.680	3.537	-0.353	1.00	0.34
ATOM	1344	CA	ASP	407	13.565	4.817	1.373	1.00	0.34
ATOM	1345	AH	ASP	407	14.448	5.256	1.815	1.00	0.37
MOTA	1346	СВ	ASP	407	12.888	5.833	0.447	1.00	0.36
ATOM	1347		ASP	407	12.063	5.360	-0.066	1.00	0.34
MOTA	1348	HB2		407	13.606	6.188	-0.279	1.00	0.40
ATOM	1349	CG	ASP	407	12.367	7.016	1.267	1.00	0.40
ATOM	1350		ASP	407	11.348	6.856	1.919	1.00	1.23
MOTA	1351		ASP	407	12.997	8.060	1.230	1.00	1.07
ATOM	1352	c	ASP	407	12.598	4.385	2.477	1.00	0.30
ATOM	1353	ŏ	ASP	407	12.734	4.764	3.623	1.00	0.31
ATOM	1354	N	ILE	408	11.632	3.574	2.138	1.00	0.29
ATOM	1355	HN	ILE	408	11.551	3.270	1.211	1.00	0.30
MOTA	1356	CA	ILE	408	10.665	3.093	3.164	1.00	0.28
MOTA	1357	HA	ILE	408	10.191	3.935	3.644	1.00	0.30
MOTA	1358	СВ	ILE	408	9.609	2.213	2.491	1.00	0.29
ATOM	1359	нв	ILE	408	10.093	1.374	2.013	1.00	0.30
MOTA	1360		ILE	408	8.855	3.034	1.442	1.00	0.27
MOTA		HG11	ILE	408	9.502	3.807	1.057	1.00	0.29
ATOM		HG12		408	7.983	3.484	1.894	1.00	0.30
MOTA	1363		ILE	408	8.623	1.698	3.541	1.00	0.35
ATOM		HG21	ILE	408	8.873	2.116	4.505	1.00	1.07
ATOM		HG22	ILE	408	8.680	0.621	3.590	1.00	1.11
MOTA		HG23	ILE	408	7.621	1.994	3.269	1.00	1.05
ATOM	1367		ILE	408	8.420	2.121	0.295	1.00	0.25
ATOM		HD11		408	7.341	2.079	0.257	1.00	0.98
		HD12	ILE	408	8.813	1.128	0.457	1.00	1.11
MOTA								1.00	0.97
ATOM		HD13	ILE	408	8.798	2.510	-0.639		
MOTA	1371	c	ILE	408	11.428	2.269	4.199	1.00	0.30
ATOM	1372	0	ILE	408	11.196	2.365	5.390	1.00	0.33
MOTA	1373	N	GLU	409	12.352	1.467	3.745	1.00	0.30
ATOM	1374	HN	GLU	409	12.522	1.420	2.781	1.00	0.29
ATOM	1375	CA	GLU	409	13.158	0.635	4.679	1.00	0.34
MOTA	1376	AH	GLU	409	12.522	-0.098	5.154	1.00	0.35
ATOM	1377	СВ	GLU	409	14.265	-0.075	3.895	1.00	0.37
MOTA	1378		GLU	409	15.045	0.631	3.653	1.00	0.37
MOTA	1379	HB2		409	13.854	-0.482	2.982	1.00	0.36
MOTA	1380	CG	GLU	409	14.848	-1.205	4.742	1.00	0.44
MOTA	1381		GLU	409	14.100	-1.970	4.886	1.00	0.82
MOTA	1382		GLU	409	15.154	-0.814	5.702	1.00	0.75
MOTA	1383	CD	GLU	409	16.058	-1.807	4.026	1.00	1.01
ATOM	1384		GLU	409	15.856	-2.489	3.034	1.00	1.63
MOTA	1385	OE2		409	17.167	-1.575	4.480	1.00	1.75
MOTA	1386	С	GLU	409	13.778	1.543	5.740	1.00	0.36

MOTA	1387	0	GLU	409	13.902	1.179	6.892	1.00	0.39
MOTA	1388	N	GLU	410	14.151	2.733	5.357	1.00	0.35
MOTA	1389	HN	GLU	410	14.027	3.008	4.423	1.00	0.34
MOTA	1390	CA	GLU	410	14.744	3.678	6.341	1.00	0.38
MOTA	1391	HA	GLU	410	15.501	3.169	6.921	1.00	0.43
MOTA	1392	CB	GLU	410	15.369	4.865	5.605	1.00	0.43
ATOM	1393	HB1	GLU	410	14.846	5.771	5.873	1.00	1.11
ATOM	1394	HB2	GLU	410	15.294	4.707	4.539	1.00	0.91
ATOM	1395	CG	GLU	410	16.841	4.992	6.001	1.00	1.23
ATOM	1396	HG1	GLU	410	17.332	4.040	5.871	1.00	1.87
MOTA	1397	HG2		410	16.910	5.295	7.036	1.00	1.90
MOTA	1398	CD	GLU	410	17.520	6.039	5.116	1.00	1.74
ATOM	1399	OE1	GLU	410	18.332	6.788	5.635	1.00	2.28
MOTA	1400	OE2	GLU	410	17.218	6.073	3.934	1.00	2.35
ATOM	1401	C	GLU	410	13.635	4.174	7.268	1.00	0.35
ATOM	1402	0	GLU	410	13.846	4.401	8.443	1.00	0.38
ATOM	1403	N	ALA	411	12.447	4.331	6.747	1.00	0.32
ATOM	1404	HN	ALA	411	12.300	4.132	5.798	1.00	0.32
ATOM	1405	CA	ALA	411	11.315	4.797	7.594	1.00	0.33
ATOM	1406	HA	ALA	411	11.526	5.787	7.972	1.00	0.35
ATOM	1407	CB	ALA	411	10.032	4.825	6.761	1.00	0.32
ATOM	1408		ALA	411	10.193	4.295	5.833	1.00	1.08
ATOM	1409	HB2		411	9.761	5.848	6.549	1.00	1.12
ATOM	1410	нв3	ALA	411	9.235	4.348	7.313	1.00	0.93
MOTA	1411	C	ALA	411	11.137	3.827	8.760	1.00	0.35
ATOM	1412	ō	ALA	411	10.725	4.202	9.839	1.00	0.41
ATOM	1413	N	LEU	412	11.444	2.578	8.545	1.00	0.35
MOTA	1414	HN	LEU	412	11.773	2.300	7.663	1.00	0.33
ATOM	1415	CA	LEU	412	11.293	1.574	9.636	1.00	0.40
ATOM	1416	HA	LEU	412	10.362	1.748	10.156	1.00	0.43
ATOM	1417	CB	LEU	412	11.291	0.153	9.049	1.00	0.42
ATOM	1418	HB1	LEU	412	10.803	-0.517	9.740	1.00	0.55
ATOM	1419	HB2	LEU	412	12.311	-0.170	8.899	1.00	0.42
MOTA	1420	CG	LEU	412	10.548	0.122	7.703	1.00	0.49
ATOM	1421	HG	LEU	412	11.140	0.627	6.954	1.00	1.00
MOTA	1422	CD1	LEU	412	10.332	-1.332	7.277	1.00	0.79
MOTA	1423	HD11	LEU	412	10.766	-1.489	6.301	1.00	1.34
ATOM	1424	HD12	LEU	412	9.274	-1.543	7.238	1.00	1.35
ATOM	1425	HD13	LEU	412	10.805	-1.990	7.991	1.00	1.42
MOTA	1426	CD2	LEU	412	9.186	0.814	7.836	1.00	0.82
ATOM	1427	HD21	LEU	412	8.762	0.590	8.804	1.00	1.47
ATOM	1428	HD22	LEU	412	8.524	0.457	7.061	1.00	1.27
MOTA	1429	HD23	LEU	412	9.314	1.882	7.736	1.00	1.40
MOTA	1430	С	LEU	412	12.456	1.718	10.620	1.00	0.44
ATOM	1431	0	LEU	412	12.340	1.393	11.785	1.00	0.50
MOTA	1432	N	CYS	413	13.577	2.203	10.160	1.00	0.44
ATOM	1433	HN	CYS	413	13.650	2.461	9.217	1.00	0.41
ATOM	1434	CA	CYS	413	14.746	2.369	11.070	1.00	0.51
MOTA	1435	HA	CYS	413	14.701	1.626	11.852	1.00	0.89
ATOM	1436	СВ	CYS	413	16.041	2.196	10.274	1.00	1.35
ATOM	1437	HB1	CYS	413	16.798	2.856	10.671	1.00	1.97
MOTA	1438	HB2	CYS	413	15.862	2.436	9.237	1.00	1.82
ATOM	1439	SG	CYS	413	16.606	0.481	10.406	1.00	2.31
MOTA	1440	HG	CYS	413	16.332	0.143	11.261	1.00	2.68
MOTA	1441	С	CYS	413	14.713	3.767	11.691	1.00	1.45
MOTA	1442	0	CYS	413	15.731	4.411	11.846	1.00	2.03
END									